

OIL ANALYSIS REPORT

 Trane Analysis
 Route de Champagne
 88130 Chames

 Email : eploa@trane.com

The : 11/19/13

UNIT INFORMATION :

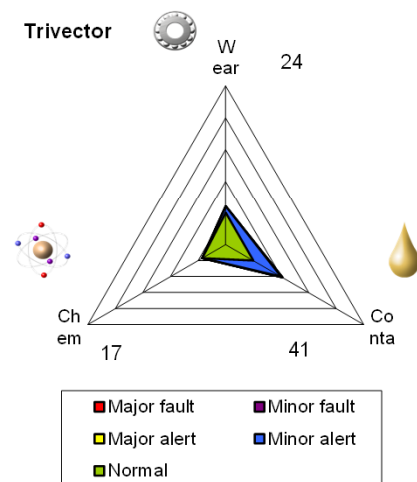
Unit serial number :	EKL1304	Order number :	
Circuit :	A	Comp serial number :	
Job site :	FN OLOMOUC	Technology comp :	SCREW
Unit model number :	ERTAB212	Refrigerant type :	R22
Compressor model number :		Oil type :	OIL0025E_0051E

CUSTOMER INFORMATION :

Customer :		Country :	CZECH_REPUBLIC
Contact :		City :	PRAGUE
Address :		Contact 1 :	Czechservice
		Email contact :	czech_service@trane.com
		Commercial contact :	
		Commercial Email :	

SAMPLE INFORMATION :

	Last one	Previous analysis			
Sample identification :	151361				
Sequence code :	PROCESS_1				
Date taking of sample :	10/16/13				
Date reception Laboratory :	11/16/13				
Date of last oil change :					
Operating time (hours) :	18 628				
Number of starts :	5 516				

Trivector


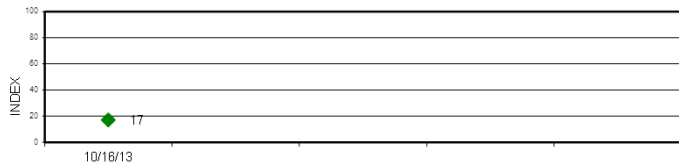
	Units :	Norms :				
CHEMISTRY ANALYSIS :						
Chemical Index :						
TAN (Total Acid Number) :	mg KOH/g	ASTM 974	17			
Viscosity 40°C (with degazing) :	cSt	ASTM D445	56.2			
Viscosity 100°C (with degazing) :	cSt	ASTM D445	NA			
Viscosity index (VI) :			NA			
CONTAMINATION ANALYSIS :						
Contamination Index :						
Moisture (Karl Fisher method) :	ppm	ASTM D1533	41			
			51			
SPECTROMETRIC ANALYSIS :						
Wear Index :						
Boron	B	ppm	ASTM D2880	24		
Baryum	Ba	ppm	ASTM D2880	2		
Calcium	Ca	ppm	ASTM D2880	3		
Phosphor	P	ppm	ASTM D2880	0		
Zinc	Zn	ppm	ASTM D2880	471		
Aluminium	Al	ppm	ASTM D2880	0		
Chromium	Cr	ppm	ASTM D2880	5		
Copper	Cu	ppm	ASTM D2880	5		
Iron	Fe	ppm	ASTM D2880	3		
Molybdene	Mo	ppm	ASTM D2880	1		
Nickel	Ni	ppm	ASTM D2880	1		
Lead	Pb	ppm	ASTM D2880	5		
Tin	Sn	ppm	ASTM D2880	4		
Potassium	K	ppm	ASTM D2880	6		
Lithium	Li	ppm	ASTM D2880	3		
Sodium	Na	ppm	ASTM D2880	2		
Silicium	Si	ppm	ASTM D2880	1		
			ASTM D2880	4		

OBSERVATIONS :
CHEMISTRY :
 The acidity level complies with the minimum value of the specification limit.

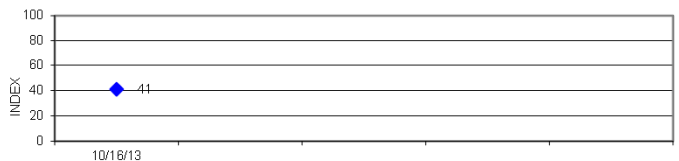
CONTAMINATION :
 The moisture level complies with the specifications average value.

WEAR :
 All values are in satisfactory ranges of the specifications.

CHEMISTRY INDEX TREND

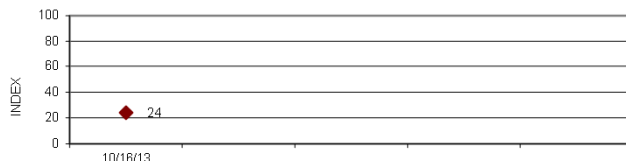


CONTAMINATION INDEX TREND


RECOMMENDATION :

The oil characteristics are satisfactory. Resample at manufacturer's recommended intervals for assessment.

WEAR INDEX TREND



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