LIEBHERR

CONSTRUCTION EQUIPMENT

[SUBLATOS] LIEBHERR R934 54888 - Swing Drive

Sample No: LH0269736

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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SAMI	PLE INFO	RMATION				
Sample Number		LH0269736	LH0224809	LH0224987		
Sample Date		21 Jan 2024	29 May 2023	14 Mar 2023		
Machine Hours		1940	971	577		
Oil Hours		0	0	0		
Oil Changed		Changed	Not Changd	Changed		
Sample Status		NORMAL	NORMAL	NORMAL		
OIL CONDITION						
Visc @ 40°C	cSt	100	O 113	175		

CONTAMINATION							
Water	%	NEG	NEG	NEG			
Silicon	ppm	3	O 2	O 2			
Sodium	ppm	0 <1	1	4			
Potassium	ppm	○ <1	0	<1			

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Iron	ppm	266	O 21	93	
Copper	ppm	○ <1	O <1	O 0	
Lead	ppm	0	O <1	O <1	
Tin	ppm	0	O 0	O 0	
Aluminum	ppm	 <1	O 0	O <1	
Chromium	ppm	5	O <1	3	
Molybdenum	ppm	0	O 0	0	
Nickel	ppm	0	O 0	O 0	
Titanium	ppm	0	0	<1	
Silver	ppm	0	<1	0	
Manganese	ppm	2	O 0	O 2	
Vanadium	ppm	0	0	0	

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ADDITIVES							
Calcium	ppm	6	O 11	O 16			
Magnesium	ppm	2	O <1	O 0			
Zinc	ppm	11	8	10			
Phosphorus	ppm	1278	O 1415	2478			
Barium	ppm	0	O 1	5			
Boron	ppm	291	O 277	2			



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Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

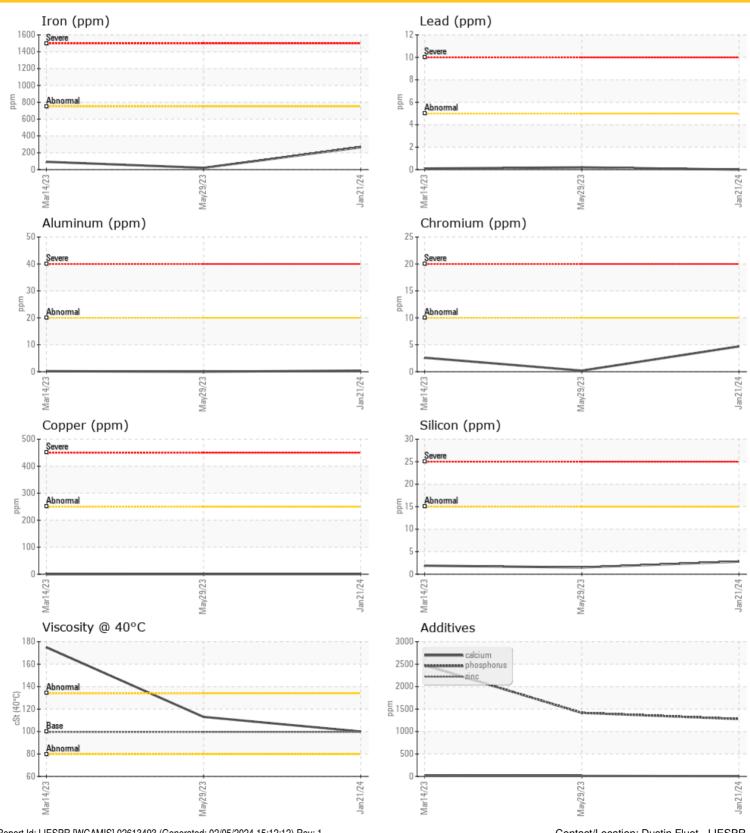
Depot:LIESPRUnique No:5722588Signed:Wes DavisReport Date:05 Feb 2024

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GRAPHS



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