CONSTRUCTION EQUIPMENT

LIEBHERR R920 045422-1705 - Swing Drive

Sample No: LHMC124798

Oil Type: LIEBHERR HYPOID 85W-140 EP



Conta	mination				
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	() <1	O <1	O 1	O <1
Sodium	ppm	2	O <1	O <1	O 2
Potassium	ppm	1	O 0	O <1	O 0

Wear	Metals				
Iron	ppm	○ 34	O 14	○ 31	○ 32
Copper	ppm	22	O 11	○ 30	17
Lead	ppm	○ <1	0	O 0	0
Tin	ppm	2	0	O <1	O 1
Aluminum	ppm	0	0	O <1	O <1
Chromium	ppm	0	0	O <1	0
Molybdenum	ppm	0	0	O <1	O <1
Nickel	ppm	0	0	0	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	○ <1	0	O <1	O <1
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0
Add	litives				
Calcium	ppm	15	0 8	O 2	O 2
Magnesium	ppm	1	O 4	O <1	O 0
Zinc	ppm	4	O 12	O 24	O 0
Phosphorus	ppm	2311	O 2153	O 1092	O 1052
Barium	ppm	0	6	O 0	O 0
Boron	ppm	4	O 0	O 1	O 2



POTOMAC METALS 42702 DULLES TRADE CT STERLING, VA US 20166 Contact: JEREMY WONG JEREMY.WONG@POTOMACMETALS.COM T: (703)430-3667

F:

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.

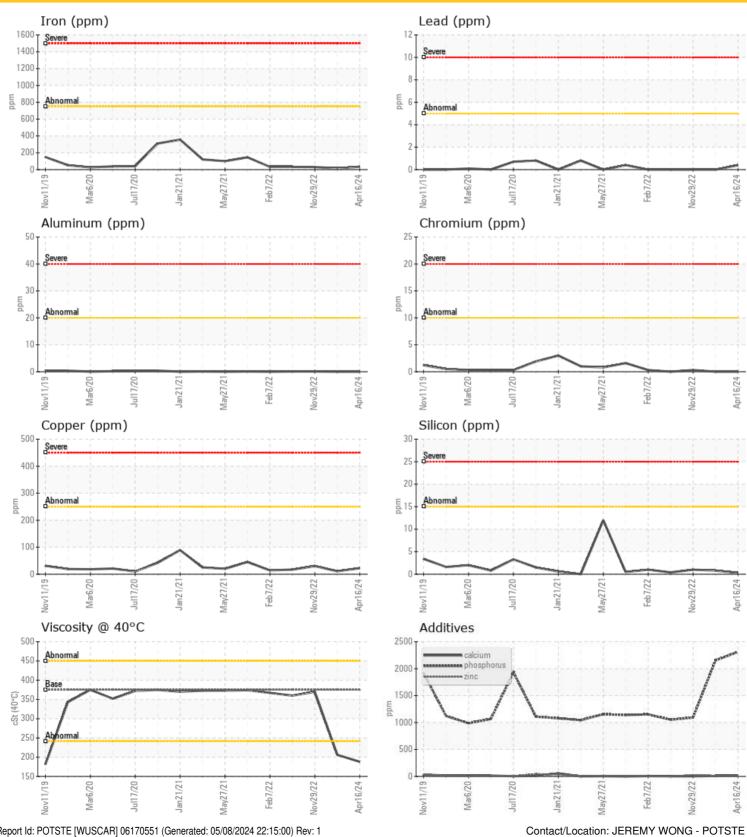
Depot: POTSTE Unique No: 11016604 Sean Felton Signed: **Report Date:** 08 May 2024

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Graphs



Report Id: POTSTE [WUSCAR] 06170551 (Generated: 05/08/2024 22:15:00) Rev: 1