LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR A924C 064062-1049 - Swing Drive

Sample No: LH0261038

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

5					
U SAN	APLE INF	ORMATION			
Sample Number		LH0261038	LH	LH0151496	LH0133191
Sample Date		14 Jun 2023	06 Aug 2021	22 Aug 2019	10 Oct 2018
Machine Hours		13298	11114	8655	7353
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL	CONDITI	ON			
Visc @ 40°C	cSt	172	181	99.2	O 90.7
i					

CONT	AMINATIO	М			
Silicon	ppm	2	O 2	O <1	O 2
Sodium	ppm	3	O 2	4	0 1
Potassium	ppm	0 <1	O <1	O <1	O <1

WEA	R METAL	S			
Iron	ppm	52	○ 33	18	O 70
Copper	ppm	31	9	9	O 32
Lead	ppm	 <1	O <1	O 0	O <1
Tin	ppm	○ <1	O <1	O 0	0
Aluminum	ppm	 <1	O <1	0	O <1
Chromium	ppm	○ <1	O <1	O <1	O <1
Molybdenum	ppm	0	O 0	O 0	0
Nickel	ppm	○ <1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	 <1	O <1	O <1	O <1
Vanadium	ppm	0	0	0	0

0						
ADDITIVES						
Calcium	ppm	17	0 8	O 4	O 20	
Magnesium	ppm	() <1	0	O <1	O <1	
Zinc	ppm	18	○ 32	5	1 4	
Phosphorus	ppm	2177	2364	O 1512	1386	
Barium	ppm	0	O <1	O <1	O <1	
Boron	ppm	29	24	250	O 246	



MARCEL DUVAL FER ET METAUX INC. 661 RANG STE-MARIE ST. SEBASTIEN, QC CA JOJ 2C0

Contact: Service Manager

T: F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil.
Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

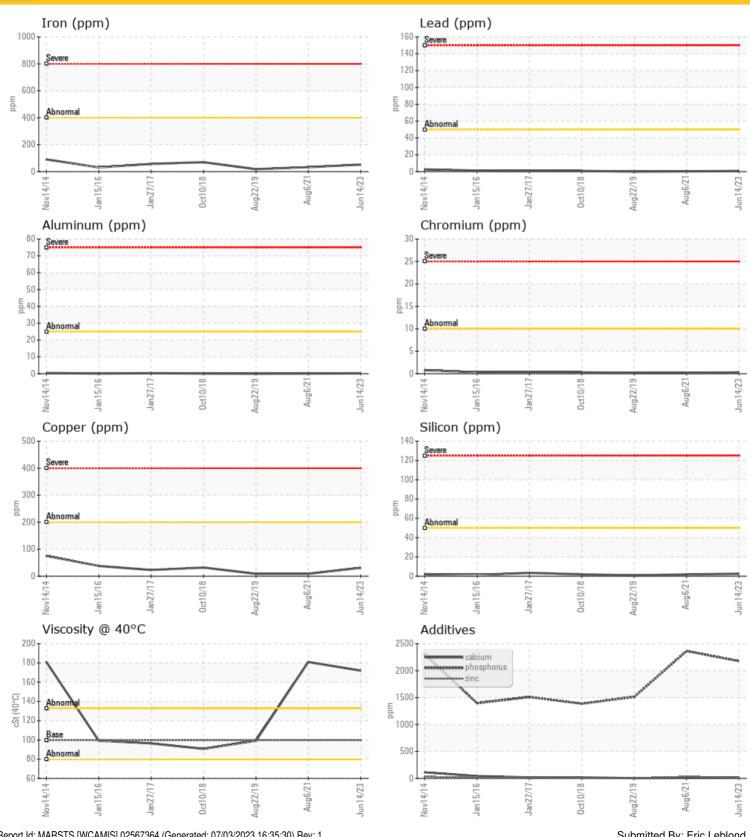
Depot: MARSTS
Unique No: 5604410
Signed: Wes Davis
Report Date: 29 Jun 2023

CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: MARSTS [WCAMIS] 02567364 (Generated: 07/03/2023 16:35:30) Rev: 1

Submitted By: Eric Leblond