

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C064062-1049 - Rear Differential

Sample No: LH

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



MARCEL DUVAL FER ET METAUX INC.
 661 RANG STE-MARIE
 ST. SEBASTIEN, QC
 CA J0J 2C0
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH	LH0177711	LH0110362	LH0083846
Sample Date	14 Jun 2023	08 Jan 2021	27 Jan 2017	14 Nov 2014
Machine Hours	13298	10412	4662	1980
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION



OIL CONDITION

Visc @ 40°C	cSt	96.9	101	87.3	73.8
-------------	-----	------	-----	------	------

T:
F:



CONTAMINATION

Silicon	ppm	3	2	3	21
Sodium	ppm	4	3	7	31
Potassium	ppm	<1	<1	<1	0

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.



WEAR METALS

Iron	ppm	19	8	8	10
Copper	ppm	3	1	3	8
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	116	92	543	3477
Magnesium	ppm	3	3	2	10
Zinc	ppm	41	43	251	1422
Phosphorus	ppm	1359	1238	1256	1169
Barium	ppm	<1	<1	<1	2
Boron	ppm	283	281	268	133

Depot: MARSTS
 Unique No: 5604408
 Signed: Wes Davis
 Report Date: 29 Jun 2023



GRAPHS

