

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C064062-1049 - Front Differential

Sample No: LH0260990

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	LH0260990	LH0177710	LH0110363	LH0083845
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 Changd	Not Changd	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION



OIL CONDITION

Visc @ 40°C	cSt	102	105	88.3	71.0
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T:
F:



CONTAMINATION

Silicon	ppm	2	2	3	26
Sodium	ppm	<1	<1	7	32
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	7	3	8	13
Copper	ppm	2	<1	4	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	23	13	562	3396
Magnesium	ppm	1	1	2	11
Zinc	ppm	8	7	256	1424
Phosphorus	ppm	1265	1159	1264	1167
Barium	ppm	0	0	<1	2
Boron	ppm	301	304	269	134

Depot: MARSTS
Unique No: 5604446
Signed: Wes Davis
Report Date: 29 Jun 2023



GRAPHS

