

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 112212-1217 - Rear Right Wheel Hub

Sample No: LH0279413

Oil Type: CHEVRON DELO SYNTHETIC GEAR 75W90



ARCELORMITTAL LONG PRODUITS CANADA
3185 ROUTE MARIE-VICTORIN
CONTRECOEUR, QC
CA J0L 1C0
Contact: Danny Drouin
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SAMPLE INFORMATION

Sample Number	LH0279413	LH0279443	LH0269837	LH0238754
Sample Date	13 Jan 2024	05 Nov 2023	26 Aug 2023	19 Apr 2023
Machine Hours	11086	10681	10300	9262
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	105	106	105	106
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 3	● 3	● 3	● 3
Sodium	ppm	● 0	● <1	● <1	● <1
Potassium	ppm	● <1	● <1	● 0	● 0



WEAR METALS

Iron	ppm	● 7	● 6	● 7	● 7
Copper	ppm	● 3	● 2	● 3	● 3
Lead	ppm	● 0	● <1	● 0	● 0
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● 0	● 0	● 0	● 0
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● 0	● 0	● 0	● <1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	0	<1	0	0
Manganese	ppm	● 0	● 0	● 0	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	● 8	● 3	● 6
Magnesium	ppm	● <1	● <1	● <1	● 0
Zinc	ppm	● 8	● 7	● 8	● 12
Phosphorus	ppm	1362	● 1308	● 1420	● 1476
Barium	ppm	● 0	● <1	● 0	● 0
Boron	ppm	265	● 277	● 278	● 283

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: MITCON
Unique No: 5710541
Signed: Kevin Marson
Report Date: 18 Jan 2024



GRAPHS

