

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C 103882-1527 - Hydraulic System

Sample No: LH0261466

Oil Type: KENDALL FOUR SEASONS AW ISO 46

DOMINION NICKEL ALLOYS LTD.

834 APPLEBY LINE

BURLINGTON, ON

CA L7L 2Y7

Contact: Trevor Taylor

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Diagnostic

We advise that you check for visible metal particles in the oil. The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Light concentration of visible metal present. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil.



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.		LH0261466	LH0247336	LH0224522	LH0214176
Date d'échant.		29 Jun 2023	08 Mar 2023	25 Oct 2022	20 Jan 2022
Heures de la Machine		9040	8400	7787	6281
Heures de l'huile		4553	3913	4487	1825
Huile changée		Not Changd	Not Changd	Not Changd	Not Changd
Statut de l'échant.		MARGINAL	NORMAL	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 40°C	cSt	● 42.3	● 41.8	● 41.9	● 41.9
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CONTAMINATION

Particules >4μ		● 1241	● 5783	● 6816	● 3949
Particules >6μ		● 158	● 1455	● 1957	● 592
Particules >14μ		● 7	● 72	● 180	● 30
ISO 4406:1999 (c)		17/14/10	20/18/13	20/18/15	19/16/12
Silicium	ppm	● 1	● 1	● 1	● 1
Sodium	ppm	● 2	● 2	● 2	● 1
Potassium	ppm	● <1	● 1	● <1	● 0



MÉTAUX D'USURE

Fer	ppm	● 13	● 13	● 14	● 13
Cuivre	ppm	● 7	● 7	● 8	● 6
Plomb	ppm	● <1	● <1	● <1	● <1
Étain	ppm	● 0	● 0	● 0	● <1
Aluminium	ppm	● <1	● <1	● <1	● <1
Chrome	ppm	● 8	● 8	● 8	● 6
Molybdène	ppm	● <1	● 0	● 0	● <1
Nickel	ppm	● 0	● 0	● 0	● <1
Titane	ppm	● 0	● 0	● 0	● 0
Argent	ppm	● 0	● 0	● 0	● 0
Manganèse	ppm	● <1	● <1	● <1	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



ADDITIFS

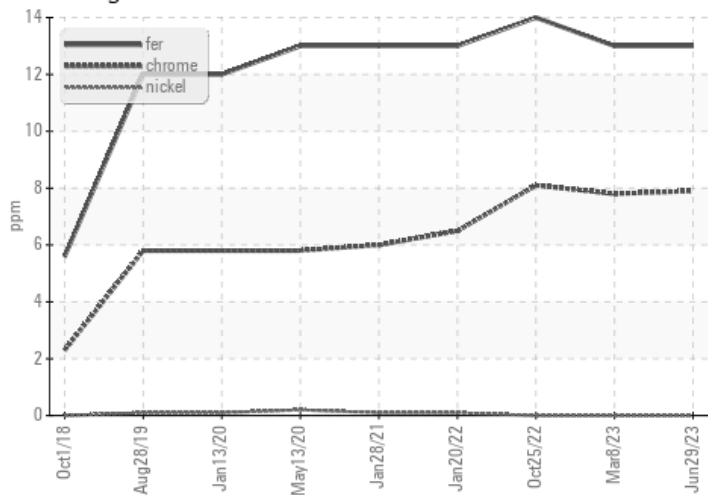
Calcium	ppm	● 704	● 781	● 877	● 812
Magnésium	ppm	● 4	● 4	● 4	● 6
Zinc	ppm	● 582	● 582	● 599	● 591
Phosphore	ppm	● 507	● 525	● 553	● 528
Baryum	ppm	● 0	● 0	● 0	● 0
Bore	ppm	● 1	● <1	● <1	● 1

Depot: DOMBUR
 Unique No: 5607457
 Signed: Kevin Marson
 Report Date: 19 Jul 2023

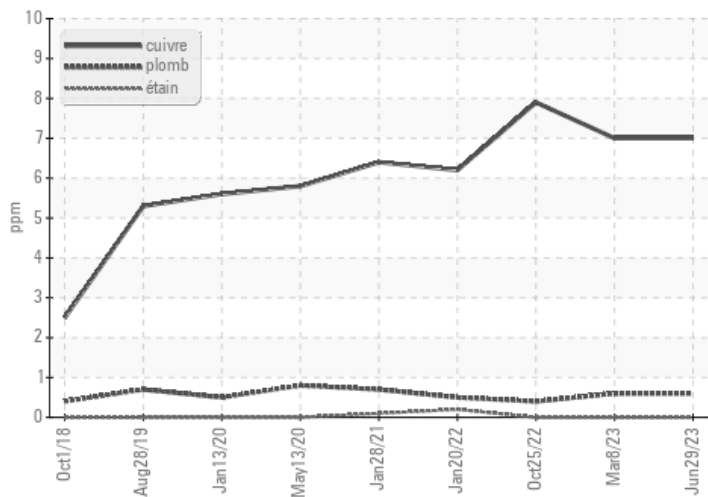


GRAPHS

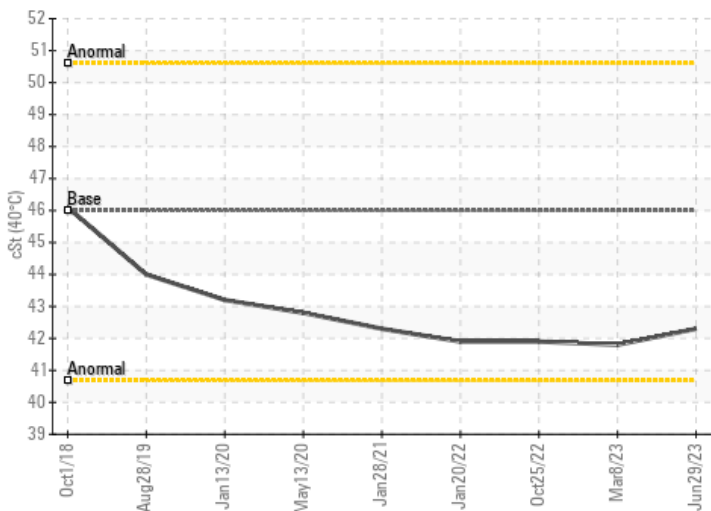
Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Particle Filter (Magn: 100 x)

