

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR736XL 019279-1155 - Hydraulic System

Sample No: LH0287990

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0287990	LH0241995	LH0260452	LH0246913
Sample Date	20 Mar 2024	23 Nov 2023	26 Jun 2023	10 Feb 2023
Machine Hours	5050	4604	3979	3437
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ATTENTION	ABNORMAL

ECOWASTE INDUSTRIES LTD.
 15111 WILLIAMS ROAD
 RICHMOND, BC
 CA V6W 1G9
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	42.9	43.1	44.2	44.7
		●	●	●	●

T: (604)277-1410
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		● 1984	● 75865	● 20941	● 103468
Particles >6µm		● 230	● 11694	● 3984	● 31041
Particles >14µm		● 11	● 214	● 57	● 907
ISO 4406:1999 (c)		18/15/11	23/21/15	22/19/13	24/22/17
Silicon	ppm	● 2	● 3	● 2	● 3
Sodium	ppm	● 7	● 7	● 5	● 6
Potassium	ppm	● <1	● 0	● <1	● <1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	● 6	● 11	● 5	● 7
Copper	ppm	● 13	● 12	● 12	● 12
Lead	ppm	● 2	● 2	● 2	● 2
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● 1	● <1	● 1
Chromium	ppm	● 2	● 2	● 1	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● 0	● <1	● <1	● <1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	● 0	● 0	● <1	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

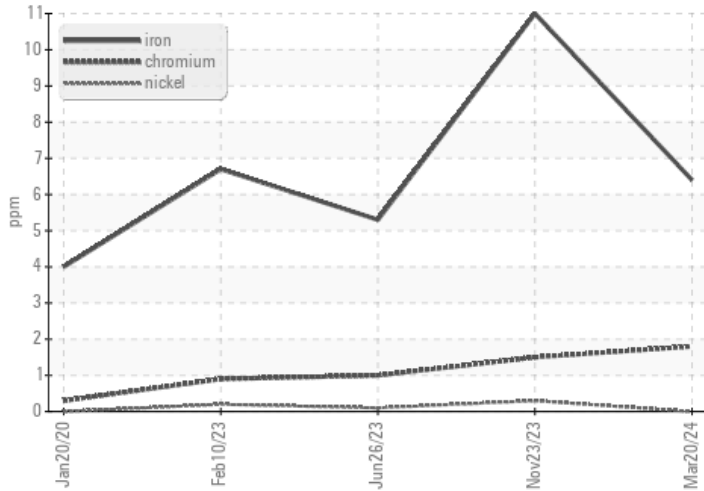
Calcium	ppm	● 443	● 446	● 590	● 692
Magnesium	ppm	● 5	● 5	● 5	● 5
Zinc	ppm	● 638	● 649	● 678	● 728
Phosphorus	ppm	● 536	● 557	● 629	● 702
Barium	ppm	● 0	● <1	● 0	● 0
Boron	ppm	● 4	● 4	● 4	● 8

Depot: ECORIC
 Unique No: 5750103
 Signed: Wes Davis
 Report Date: 28 Mar 2024

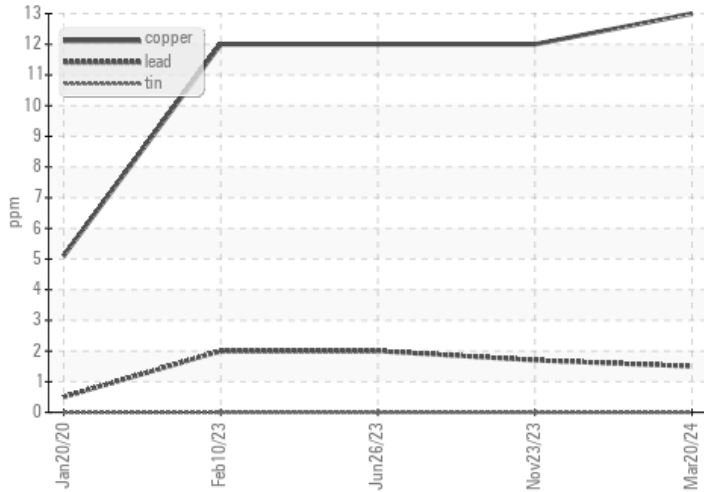


GRAPHS

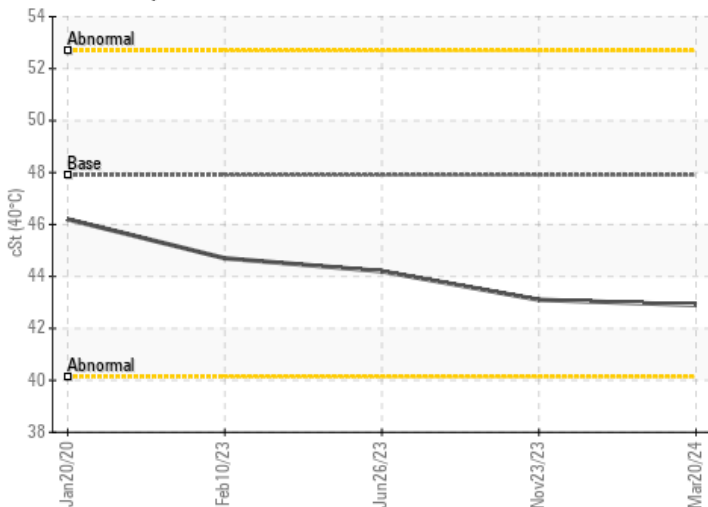
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

