CONSTRUCTION EQUIPMENT

116431-1217 - Hydraulic System

Sample No: LH0202727

Oil Type:

Molybdenum

Nickel

Silver

Titanium

Manganese

Vanadium

¢

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ADDITIVES

0

○ <1

n

0

<1

0 562

0750

650

0 🔘

0 <1

04

02

PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

		DRMATION			
		LH0202727	LH0239240	LH0221650	LH
Sample Number					
Sample Date		09 May 2023	29 Aug 2022	06 Jun 2022	26 Jan 2022
Machine Hours		7133	6053	5561	4903
Oil Hours		0	0	0	0
Oil Changed		Not Changd	Not Changd	Not Changd	Changed
Sample Status	ONDITIC	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL
Visc @ 40°C	cSt	42.1	0 42.2	0 42.2	○ 41.5
	COL	42.1	42.2	42.2	41.5
CONT	AMINA	TION			
Particles >4µm		3802	0 1236	0 15198	3873
Particles >6µm		668	0 164	0 1730	0 464
Particles >14µm		0 17	07	23	23
ISO 4406:1999 (c)		19/17/11	17/15/10	21/18/12	19/16/12
Silicon	ppm	01	0 1	2	02
Sodium	ppm	0 2	0 2	02	03
Potassium	ppm	0	0 11	0	01
	R METAI	LS			
PQ		0 11	0 12	0	5
Iron	ppm	<mark>()</mark> 105	0 105	0 81	97
Copper	ppm	0 4	0 4	0 4	5
Lead	ppm	<mark></mark> <1	0 1	○ <1	01
Tin	ppm	<mark></mark> <1	0	○ <1	◯ <1
Aluminum	ppm	<mark></mark> <1	○ <1	◯ <1	◯ <1
Chromium	ppm	01	0 1	01	0 1
				0	

<1

0

<1

<1

0 655

0728

○ 596

0 0

○ <1

04

2

0

747

05

0721

0 616

0

 $\bigcirc 2$

2

0 1083

0709

610

0 0

 $\bigcirc <1$

06

02



American Iron and Metal

2555 Sheffield Road Ottawa, ON CA K1B 3V6 Contact: Dan Dupelle ddupelle@aim-rg.com T: (613)228-9380 F: (613)745-0692

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	BAKOTT		
Unique No:	5578593		
Signed:	Kevin Marson		
Report Date:	16 May 2023		

Report Id: BAKOTT [WCAMIS] 02557553 (Generated: 09/29/2023 09:04:17) Rev: 1

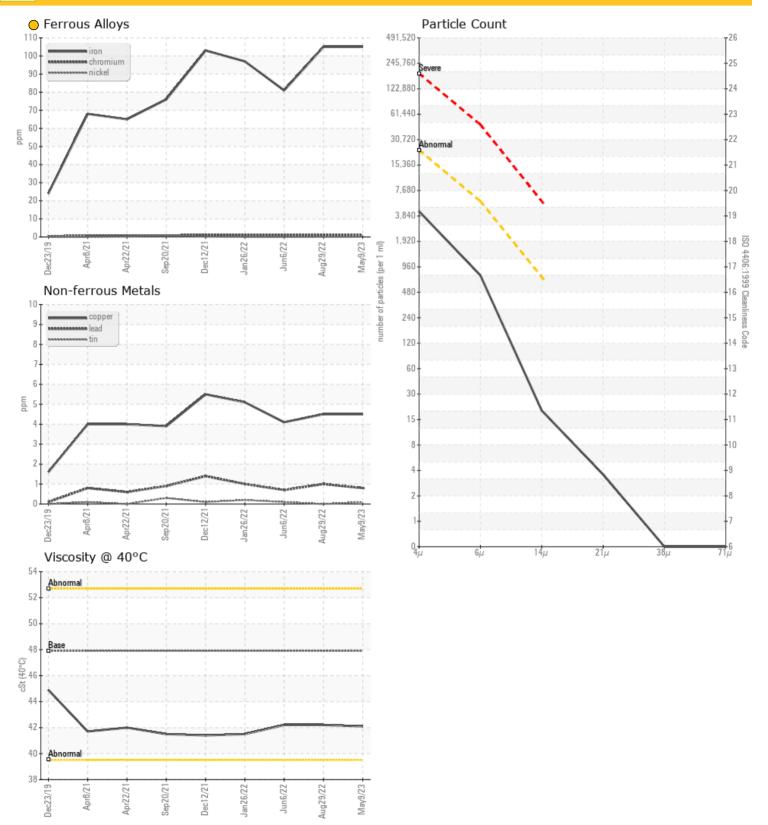
Contact/Location: Dan Dupelle - BAKOTT





GRAPHS

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