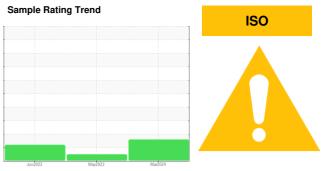


OIL ANALYSIS REPORT

VIAM/Shredding Room [VIAM^Shredding Room] Baler - VIAM

Hydraulic System

PETRO CANADA HYDREX AW 68 (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

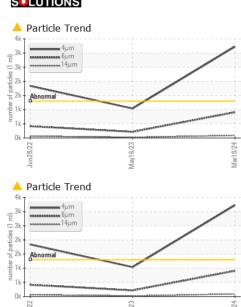
Fluid Condition

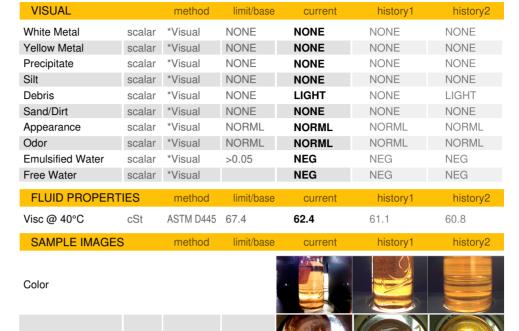
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

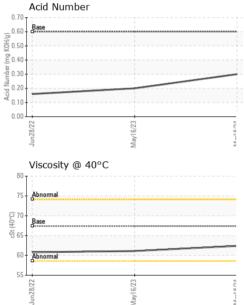
		Jun ² 022 May ² 023 Max ² 024				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0005076	KFS0002209	KFS0000701
Sample Date		Client Info		18 Mar 2024	16 May 2023	28 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ATTENTION
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	2	1	1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	0	0	2	0
Calcium	ppm	ASTM D5185m	50	118	124	135
Phosphorus	ppm	ASTM D5185m	330	249	265	252
Zinc	ppm	ASTM D5185m	430	326	348	340
Sulfur	ppm	ASTM D5185m	760	1198	1349	1305
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	▲ 3227	1040	1837
Particles >6µm		ASTM D7647	>320	<u>^</u> 909	217	416
Particles >14μm		ASTM D7647	>80	90	22	65
Particles >21µm		ASTM D7647	>20	28	7	22
Particles >38µm		ASTM D7647	>4	4	1	5
Particles >71μm		ASTM D7647	>3	1	0	1
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u> </u>	17/15/12	18/16/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	0.30	0.20	0.16

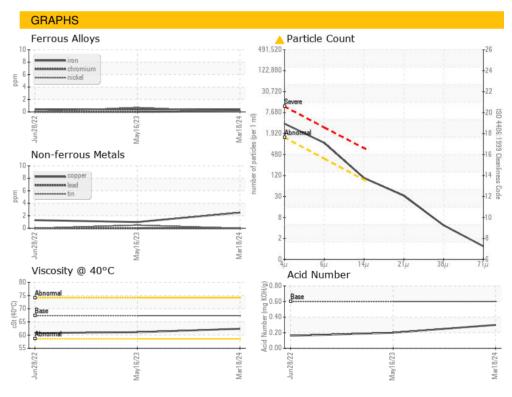


OIL ANALYSIS REPORT













Certificate L2367

Unique Number: 10939017

Laboratory Sample No. Lab Number

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KFS0005076 : 06124866

Bottom

Received **Tested** Diagnosed

: 21 Mar 2024 : 22 Mar 2024 : 22 Mar 2024 - Wes Davis

VIAM/VICAM Manufacturing - Tennessee 87 Parktower Road

Manchester, TN US 37355

Contact: Eric Thompson ethompson@viammfg.com T: (931)461-2300

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)