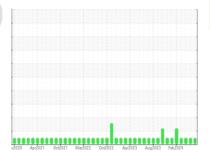


OIL ANALYSIS REPORT

HPP Machine Id **VESSEL 4 PUMP 1 (S/N B44043)**

Hydraulic System

PETRO CANADA PURITY FG AW HYDRAULIC 46 (90 GAL)



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

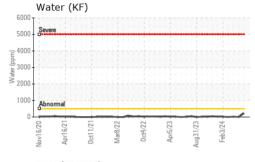
Fluid Condition

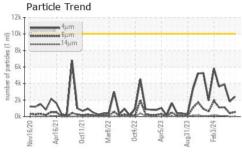
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

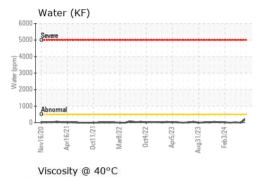
LIC 46 (90 GAL)		v2020 Apr20	21 Oct2021 Mar2022	Oct2022 Apr2023 Aug2023	Feb 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929991	WC0802557	WC0916595
Sample Date		Client Info		31 May 2024	06 May 2024	31 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	1	0
Calcium	ppm	ASTM D5185m		0	2	0
Phosphorus	ppm	ASTM D5185m		423	429	457
Zinc	ppm	ASTM D5185m		5	0	0
Sulfur	ppm	ASTM D5185m		580	572	591
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	3	2
Sodium	ppm	ASTM D5185m		1	<1	1
Potassium	ppm	ASTM D5185m		2	1	2
Water	%	ASTM D6304	>0.05	0.022	0.00	0.002
ppm Water	ppm	ASTM D6304	>500	220	0	23
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	2403	1821	3908
Particles >6µm		ASTM D7647	>1300	548	409	1121
Particles >14µm		ASTM D7647	>160	34	13	98
Particles >21µm		ASTM D7647	>40	8	1	27
Particles >38µm		ASTM D7647	>10	1	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	18/16/12	18/16/11	19/17/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.26	0.16	0.18	0.21

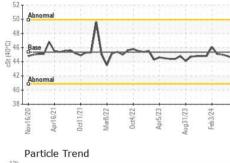


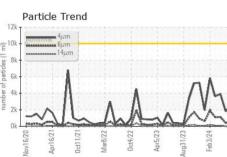
OIL ANALYSIS REPORT

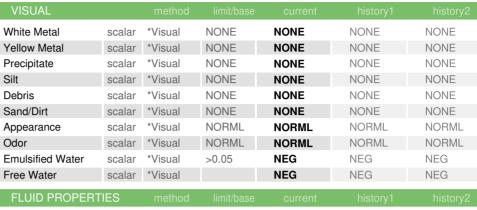








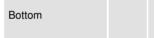




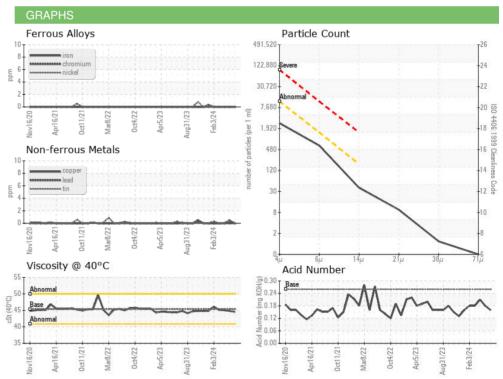
Visc @ 40°C	44.8	45.0
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Color

SAMPLE IMAGES







: 12 Jun 2024 - Wes Davis





Laboratory Sample No.

: WC0929991 Lab Number : 06204648

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 **Tested** : 12 Jun 2024

Diagnosed Unique Number : 11072109 Test Package : IND 2 (Additional Tests: KF)

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

OSCEOLA FOODS (HORMEL)

1027 WARREN AVE OSCEOLA, IA US 50213

Contact: WADE MYERS wlmyers@hormel.com

T: (641)342-8043 F: (641)342-8047

Report Id: OSCOSC [WUSCAR] 06204648 (Generated: 06/12/2024 03:30:49) Rev: 1

Contact/Location: WADE MYERS - OSCOSC