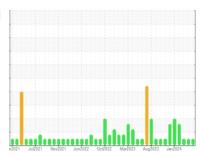


# **OIL ANALYSIS REPORT**

HPP [10024247867]
Machine Id [10024247867]
VESSEL 3 PUMP 1 (S/N B44045)

Hydraulic System

PETRO CANADA PURITY FG AW HYDRAULIC 46 (90 GAL)



Sample Rating Trend



## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Moor

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.

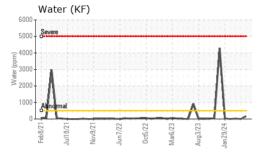
## **Fluid Condition**

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

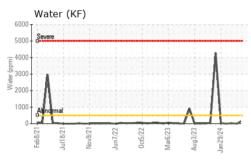
LIC 46 (90 GAL)		62021 Jul20	21 Nov2021 Jun2022	Oct2022 Mar2023 Aug2023	Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0936580	WC0802558	WC0916586
Sample Date		Client Info		28 May 2024	30 Apr 2024	25 Mar 2024
Machine Age	hrs	Client Info		0	0	0
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	<1
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	<1	<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		441	423	437
Zinc	ppm	ASTM D5185m		6	0	0
Sulfur	ppm	ASTM D5185m		581	568	596
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	3	2
Sodium	ppm	ASTM D5185m		1	<1	1
Potassium	ppm	ASTM D5185m	>20	2	1	2
Water	%	ASTM D6304	>0.05	0.017	0.00	0.003
ppm Water	ppm	ASTM D6304	>500	170	0	26
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	3212	33	292
Particles >6µm		ASTM D7647	>1300	1070	4	82
Particles >14µm		ASTM D7647	>160	93	0	10
Particles >21µm		ASTM D7647	>40	30	0	3
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	19/17/14	12/9/7	15/14/10
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.26	0.19	0.14	0.15

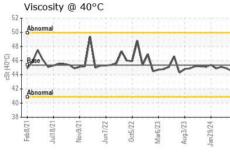


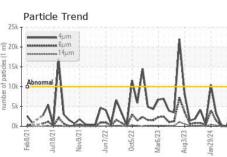
## **OIL ANALYSIS REPORT**

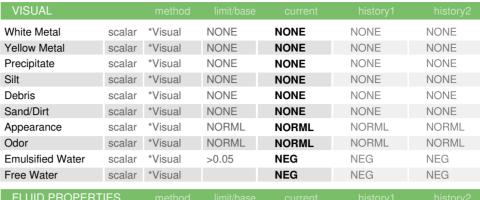


Par 25k T	ticle T	rend						
≅ 20k -	<b></b> Бµ	m m						
9 15k	14/	um )				1		
15k - Abn	ormal			-1/		11	À	-
量 5k-	N		N	1	M	W	A	,
Peb8/21 40	18/21	<b>3</b> 1Z/6/	22/7	5/22	6/23	3/23	9/24	k_
교	Jul18,	Nov9,	nn P	00	Mar6/	Aug3	Jan29/	







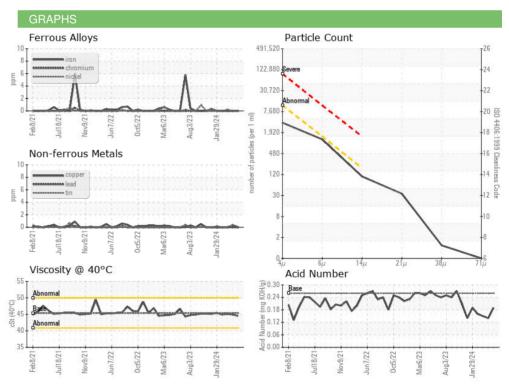


FLUID PROPER	THES	method			riistory i	History2
Visc @ 40°C	cSt	ASTM D445	45.36	44.5	44.9	45.1

SAMPLE IMAGES	method		
Color			











Laboratory

Sample No. Lab Number : 06204653 Unique Number : 11072114

: WC0936580

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 10 Jun 2024 : 12 Jun 2024

Diagnosed : 12 Jun 2024 - Wes Davis

Test Package : IND 2 ( Additional Tests: KF ) Certificate 12367 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)

**OSCEOLA FOODS (HORMEL)** 

1027 WARREN AVE OSCEOLA, IA US 50213

Contact: WADE MYERS wlmyers@hormel.com

T: (641)342-8043

F: (641)342-8047 Contact/Location: WADE MYERS - OSCOSC