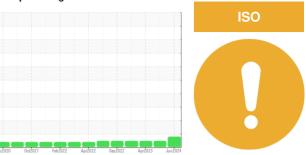


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

M37869 (S/N 230AF 21441)

Hydraulic System

PETRO CANADA PURITY FG AW HYDRAU

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

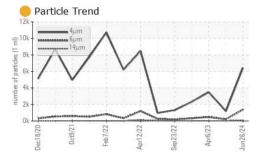
Fluid Condition

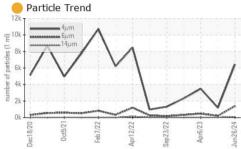
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

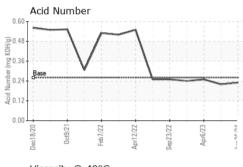
Sample Number Client Info WC0880569 WC0838770 WC078146 Sample Date Client Info 26 Jun 2024 26 Sep 2023 06 Apr 2024 26 Sep 2023 06 Apr 2024 26 Sep 2023 06 Apr 2025 01 Apr 2025 01 Apr 2025 01 Apr 2025 01 Apr 2025 02 Ap	LIC 46 (GAL)		Dec2020	Oct2021 Feb2022	Apr2022 Sep2022 Apr2023	Jun2024	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Client Info 26 Jun 2024 26 Sep 2023 06 Apr 2025	Sample Number		Client Info		WC0880569	WC0838770	WC0781466
Machine Age hrs Client Info 107 104 92 Dil Age hrs Client Info 46 43 31 Dil Changed Client Info N/A Not Changd Not Changd Sample Status NEG NEG NEG CONTAMINATION method Imitibase current history Water WC Method >0.05 NEG NEG VERAR MET ALS method limit/base current history history More ASTM D5185m >20 <1			Client Info		26 Jun 2024	26 Sep 2023	06 Apr 2023
Dil Changed Sample Status	Machine Age	hrs	Client Info		107		
Dil Changed Client Info N/A Not Changed Not Changed ATTENTION NORMAL NORMAL NORMAL		hrs	Client Info		46	43	31
CONTAMINATION method limit/base current history1 history1 Water WC Method >0.05 NEG NEG NEG WEAR METALS method limit/base current history1 history1 fron ppm ASTM D5185m >20 <1	-		Client Info		N/A	Not Changd	Not Changd
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 <1 <1 0 Silver ppm ASTM D5185m >20 <1 <1 <0 0 Aluminum ppm ASTM D5185m >20 2 0 0 0 Aluminum ppm ASTM D5185m >20 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	-				ATTENTION	_	
WEAR METALS method limit/base current history1 history1 ron ppm ASTM D5185m >20 <1	CONTAMINATION	V	method	limit/base	current	history1	history2
Chromium	Water		WC Method	>0.05	NEG	NEG	NEG
Description	WEAR METALS		method	limit/base	current	history1	history2
Silver	ron	ppm	ASTM D5185m	>20	<1	<1	<1
Description	Chromium	ppm	ASTM D5185m	>20	<1	0	0
Silver	Nickel	ppm	ASTM D5185m	>20	<1	<1	0
ASTM D5185m >20 2 0 0 0	Titanium	ppm	ASTM D5185m		<1	0	0
Lead ppm ASTM D5185m >20 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Silver	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >20 <1 <1 <1 <1 <1 Copper ppm ASTM D5185m >20 <1 <1 <1 <1 <1 Copper ppm ASTM D5185m >20 <1 <1 <1 <1 <1 <1 Copper ppm ASTM D5185m >20 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Aluminum	ppm	ASTM D5185m	>20	2	0	0
Copper ppm ASTM D5185m >20 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <0 0	Lead		ASTM D5185m	>20	<1	<1	<1
Tin ppm ASTM D5185m >20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Copper		ASTM D5185m	>20	<1	<1	<1
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m <1 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 0 13 4 Phosphorus ppm ASTM D5185m 510 491 451 Zinc ppm ASTM D5185m 129 127 116 Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history1 Solicon ppm ASTM D5185m 0 0 0 0<	• •						
ADDITIVES							
Soron Sarium Scrip Sc							
Description	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1 0 0 Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 4 3 2 Calcium ppm ASTM D5185m 0 13 4 Phosphorus ppm ASTM D5185m 510 491 451 Zinc ppm ASTM D5185m 129 127 116 Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 3 2 2 Sodium ppm ASTM D5185m >20 <1 <1 0 Potassium ppm ASTM D5185m >20 <1 <1 0 Particles >4µm ASTM D7647 6449 1182 3480 Particles >6µm ASTM D7647 >1300 1392	Boron	ppm	ASTM D5185m		0	0	0
Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 4 3 2 Calcium ppm ASTM D5185m 0 13 4 Phosphorus ppm ASTM D5185m 510 491 451 Zinc ppm ASTM D5185m 129 127 116 Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 3 2 2 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 <1	Barium	ppm	ASTM D5185m		0	0	0
Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 4 3 2 Calcium ppm ASTM D5185m 0 13 4 Phosphorus ppm ASTM D5185m 510 491 451 Zinc ppm ASTM D5185m 129 127 116 Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 3 2 2 Godium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 <1 <1 0 Potassium ppm ASTM D5185m >20 <1 <1 0 Potassium ppm ASTM D5185m 0 0 0 0 Potassium ppm AST	Molybdenum	ppm	ASTM D5185m		<1	0	0
Magnesium ppm ASTM D5185m 4 3 2 Calcium ppm ASTM D5185m 0 13 4 Phosphorus ppm ASTM D5185m 510 491 451 Zinc ppm ASTM D5185m 129 127 116 Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 3 2 2 Sodium ppm ASTM D5185m >0 0 0 0 Potassium ppm ASTM D5185m >20 <1	-	ppm	ASTM D5185m		0	0	0
Calcium ppm ASTM D5185m 0 13 4 Phosphorus ppm ASTM D5185m 510 491 451 Zinc ppm ASTM D5185m 129 127 116 Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >15 3 2 2 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 <1	-		ASTM D5185m		4	3	2
Phosphorus ppm ASTM D5185m 510 491 451 Zinc ppm ASTM D5185m 129 127 116 Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >15 3 2 2 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 <1	•		ASTM D5185m		0		4
Table Tab					-		451
Sulfur ppm ASTM D5185m 442 562 557 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 3 2 2 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 <1							
Silicon ppm ASTM D5185m >15 3 2 2 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 <1 <1 0 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4μm ASTM D7647 51300 1392 216 479 Particles >6μm ASTM D7647 >160 92 25 16 Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11							
Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 <1 <1 0 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4μm ASTM D7647 6449 1182 3480 Particles >6μm ASTM D7647 >1300 1392 216 479 Particles >14μm ASTM D7647 >160 92 25 16 Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Dil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	CONTAMINANTS	;	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Silicon	ppm	ASTM D5185m	>15	3	2	2
Potassium ppm ASTM D5185m >20 <1 <1 0 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 6449 1182 3480 Particles >6μm ASTM D7647 >1300 1392 216 479 Particles >14μm ASTM D7647 >160 92 25 16 Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	Sodium		ASTM D5185m		0	0	0
Particles >4μm ASTM D7647 6449 1182 3480 Particles >6μm ASTM D7647 >1300 1392 216 479 Particles >14μm ASTM D7647 >160 92 25 16 Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Dil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	Potassium			>20	<1	<1	0
Particles >6μm ASTM D7647 >1300 1392 216 479 Particles >14μm ASTM D7647 >160 92 25 16 Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Dil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >160 92 25 16 Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Dil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	Particles >4µm		ASTM D7647		6449	1182	3480
Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Dil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	Particles >6µm		ASTM D7647	>1300	1392	216	479
Particles >21μm ASTM D7647 >40 27 9 3 Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Dil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	Particles >14µm		ASTM D7647	>160	92	25	16
Particles >38μm ASTM D7647 >10 2 1 0 Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	Particles >21µm		ASTM D7647	>40		9	3
Particles >71μm ASTM D7647 >3 0 1 0 Dil Cleanliness ISO 4406 (c) >/17/14 20/18/14 17/15/12 19/16/11	•						
Oil Cleanliness ISO 4406 (c) >/17/14 • 20/18/14 17/15/12 19/16/11	•				0	1	
FLUID DEGRADATION method limit/base current history1 history1						17/15/12	19/16/11
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2

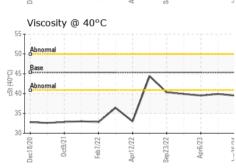


OIL ANALYSIS REPORT





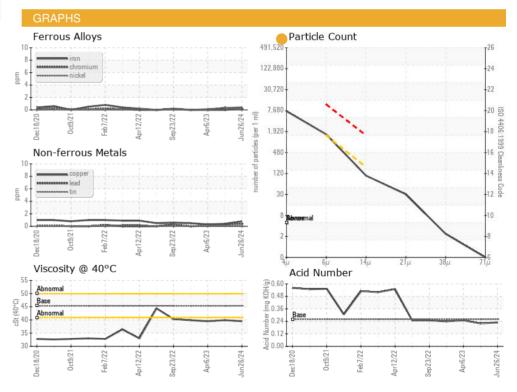




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.36	39.5	39.9	39.5

SAMPLE IMAGES			
Color			

Bottom		







Certificate 12367

Laboratory Sample No.

Lab Number : 06235891 Unique Number : 11124725

Test Package : IND 2

: WC0880569

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

: 15 Jul 2024 : 16 Jul 2024

Diagnosed

: 16 Jul 2024 - Don Baldridge

2929 NORTH OHIO STREET WICHITA, KS

HORMEL FOODS - WICHITA

US 67219 Contact: J MCDONALD JEMCDONALD@HORMEL.COM

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) F: (316)838-9053

Report Id: HORWIC [WUSCAR] 06235891 (Generated: 07/16/2024 15:09:10) Rev: 1

Submitted By: JASON MCDONALD

T: