

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

Oil Age

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Titanium

Aluminum

Chromium

Area HPP VESSEL 2 PUMP 1 (S/N B44047)

Hydraulic System

PETRO CANADA PURITY FG AW HYDRAULIC 46 (90 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

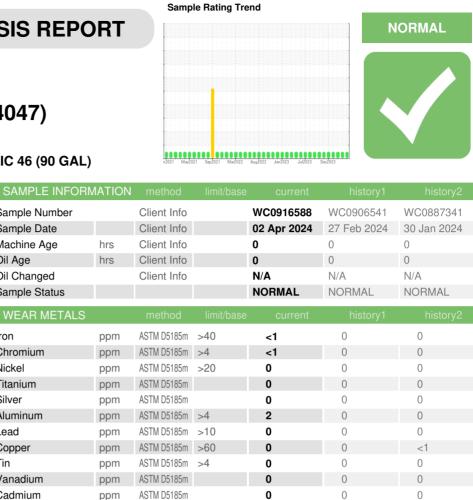
All component wear rates are normal.

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.



	1-1			-	-	•
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		3	2	0
Calcium	ppm	ASTM D5185m		4	<1	0
Phosphorus	ppm	ASTM D5185m		466	422	413
Zinc	ppm	ASTM D5185m		<1	9	0
Sulfur	ppm	ASTM D5185m		820	375	476
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2	2	3

Onicon	ppin	AO INI DOTODITI	220	-	2	0
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.002	0.00	0.003
ppm Water	ppm	ASTM D6304	>500	24	0	27
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	937	138	940

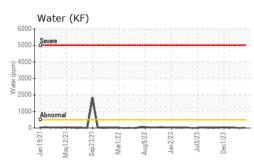
		AUTIN DI UTI	210000	337	100	540
Particles >6µm		ASTM D7647	>1300	315	50	239
Particles >14µm		ASTM D7647	>160	36	9	15
Particles >21µm		ASTM D7647	>40	10	3	3
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/14	17/15/12	14/13/10	17/15/11
FLUID DEGRADA	TION	method				history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.26	0.25	0.20	0.20

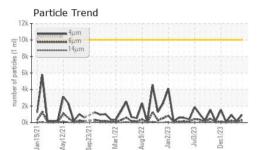
mg KOH/g ASTM D8045 0.26

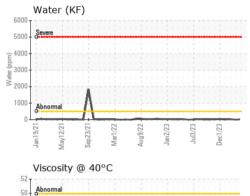
Contact/Location: WADE MYERS - OSCOSC Page 1 of 2

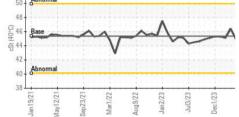


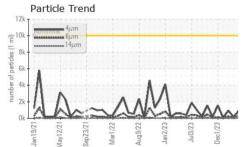
OIL ANALYSIS REPORT



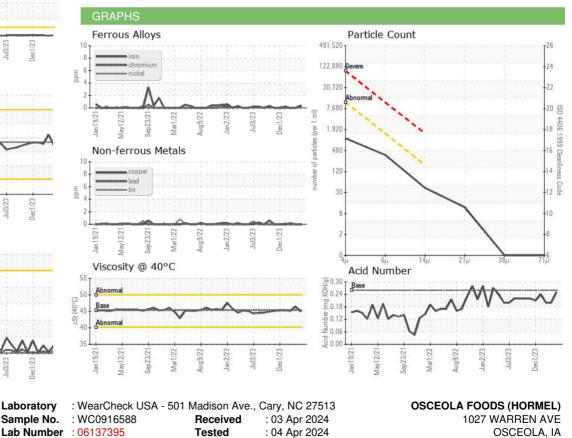








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.36	44.9	46.4	45.1
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				•		
Bottom						



: 05 Apr 2024 - Don Baldridge



Sample No. Lab Number : 06137395 Unique Number : 10956860 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)

Diagnosed

Report Id: OSCOSC [WUSCAR] 06137395 (Generated: 04/05/2024 18:12:21) Rev: 1

Contact/Location: WADE MYERS - OSCOSC

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US 50213

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