

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



GAS Machine Id K-4300C (S/N C AIR COMPRESSOR) Air Compressor

Fluid CHEVRON GST OIL ISO 68 (18 GAL)

-2019 Mag2020 Aug2021 Feb2022 Jud202 Jud202 Mag2023 Nov2023



DIAGNOSIS	

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

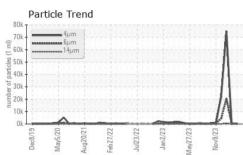
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HLC0003211	HLC0002966	HLC0003134
Sample Date		Client Info		01 Apr 2024	07 Feb 2024	07 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	2578
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.6	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>40	0	0	0
Tin	ppm	ASTM D5185m	>5	0	2	0
Vanadium	ppm	ASTM D5185m		<1	0	0
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		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		17	0	0
Phosphorus	ppm	ASTM D5185m		9	0	0
Zinc	ppm	ASTM D5185m		<1	0	0
Sulfur	ppm	ASTM D5185m		989	685	819
CONTAMINANTS	i i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
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Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20	<1 <1	0 0	<1 0
	ppm		>20 limit/base		÷	
Potassium	ppm	ASTM D5185m		<1	0	0
Potassium FLUID CLEANLIN	ppm	ASTM D5185m method	limit/base	<1 current	0 history1	0 history2
Potassium FLUID CLEANLIN Particles >4µm	ppm	ASTM D5185m method ASTM D7647	limit/base	<1 current 320	0 history1 367	0 history2 74887
Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm	ASTM D5185m method ASTM D7647 ASTM D7647	limit/base >2500 >320	<1 current 320 85	0 history1 367 96	0 history2 74887 ▲ 20757
Potassium FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm	ppm	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >2500 >320	<1 current 320 85 8	0 history1 367 96 11	0 history2 74887 ▲ 20757 ● 628
Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >2500 >320 >80 >20	<1 current 320 85 8 2	0 history1 367 96 11 3	0 history2 74887 ▲ 20757 ● 628 86
Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >2500 >320 >80 >20	<1 current 320 85 8 2 0	0 history1 367 96 11 3 0	0 history2 74887 ▲ 20757 ● 628 86 1
Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm IESS	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >2500 >320 >80 >20 >4	<1 current 320 85 8 2 0 0 0	0 history1 367 96 11 3 0 0 0	0 history2 74887 ▲ 20757 ● 628 86 1 0
Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness	ppm IESS	ASTM D5185m method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c)	limit/base >2500 >320 >80 >20 >20 >4 >/18/15	<1 current 320 85 8 2 0 0 0 15/14/10 current 0.086	0 history1 367 96 11 3 0 0 0 16/14/11 history1 0.078	0 history2 74887 ▲ 20757 ● 628 86 1 0 ▲ 23/22/16

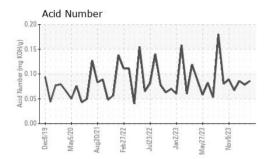
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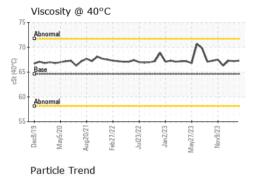
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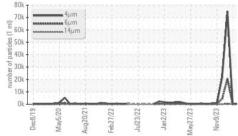
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	>0.6	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	IES cSt	method ASTM D445	limit/base 64.6	current 67.3	history1 67.2	history2 67.3
	cSt					
Visc @ 40°C	cSt	ASTM D445	64.6	67.3	67.2	67.3

Ferrous Alloys Particle Count 491 520 122,880 74 30,720 7,680 20 8 an2/23 CULC de-Aav27/23 5C/6/10 4406 lec8/ Der 1,920 1999 Clea cles Non-ferrous Metals 480 120 14 12 Code 30 an2/23 v9/23 CC/LCdaav27/23 Dec8/ Viscosity @ 40°C Acid Number (b/HOX 0.15 0.10 0.10 Abnorm E 0.05 Abnorm 00.0 Acid Jan2/23 -Dec8/19 Aav5/20 1g20/21 May27/23 Nov9/23 lan2/23 CUTCHA lav5/20 CCITCHA Mav27/23 Vov9/23 Dec8/1

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 HILCORP NORTHSTAR FACILITY Sample No. : HLC0003211 Received : 11 Apr 2024 Lab Number : 06146558 Tested : 18 Apr 2024 PRUDHOE BAY, AK Unique Number : 10976636 Diagnosed : 18 Apr 2024 - Jonathan Hester US 99734 Test Package : IND 2 (Additional Tests: PrtCount) Contact: PERRY NEEL Certificate 12367 pneel@hilcorp.com To discuss this sample report, contact Customer Service at 1-800-237-1369. T: (907)670-3514 * - 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: (907)659-5377

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Contact/Location: PERRY NEEL - BPENOR

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