

## **OIL ANALYSIS REPORT**

Sample Rating Trend

#### NORMAL



Recommendation

Contamination

Fluid Condition

Wear

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

CHEVRON GST OIL ISO 68 (18 GAL)

# DIAGNOSIS

All component wear rates are normal.

any contamination in the oil.

Resample at the next service interval to monitor.

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

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

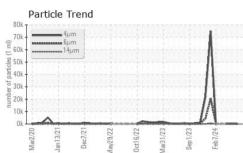
SAMPLE INFORM		method			history1	history2
Sample Number		Client Info	-11111/0430	HLC0003310	HLC0003300	HLC0003211
Sample Date		Client Info		28 May 2024	07 May 2024	01 Apr 2024
	la va			-	,	
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		U N/A		0 N/A
Oil Changed		Client Info			N/A	
Sample Status				NORMAL	NORMAL	NORMAL
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		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>40	<1	0	0
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m	-	<1	<1	<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		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		2	0	17
Phosphorus						
	DDIII	ASTM D5185m		10	0	9
Zinc	ppm ppm	ASTM D5185m ASTM D5185m		10 5	0	9 </td
	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		10 5 949	0 0 982	9 <1 989
-	ppm ppm	ASTM D5185m	limit/base	5	0	<1
Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m		5 949	0 982	<1 989
Sulfur CONTAMINANTS Silicon	ppm ppm	ASTM D5185m ASTM D5185m method		5 949 current	0 982 history1	<1 989 history2
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m		5 949 current <1	0 982 history1 <1	<1 989 history2 <1
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>25	5 949 current <1 1	0 982 history1 <1 2	<1 989 history2 <1 <1
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	5 949 current <1 1 0	0 982 history1 <1 2 <1	<1 989 history2 <1 <1 <1 <1
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m Method	>25 >20 limit/base	5 949 current <1 1 0 current	0 982 history1 <1 2 <1 +istory1	<1 989 history2 <1 <1 <1 <1 <1 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D7647	>25 >20 limit/base	5 949 current <1 1 0 current 156	0 982 history1 <1 2 <1 history1 210	<1 989 history2 <1 <1 <1 <1 <1 history2 320
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D7647 ASTM D7647	>25 >20 limit/base >2500 >320	5 949 current <1 1 0 current 156 42	0 982 history1 <1 2 <1 41 history1 210 45	<1 989 history2 <1 <1 <1 <1 +istory2 320 85
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >2500 >320	5 949 current <1 1 0 current 156 42 3	0 982 history1 <1 2 <1 2 10 45 3	<1 989 history2 <1 <1 <1 <1 history2 320 85 8 8
Silicon Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >2500 >320 >80 >20	5 949 current <1 1 0 current 156 42 3 0	0 982 history1 <1 2 <1 history1 210 45 3 1	<1 989 history2 <1 <1 <1 <1 history2 320 85 8 8 2
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >2500 >320 >80 >20	5 949 current <1 1 0 current 156 42 3 0 0 0	0 982 history1 <1 2 <1 history1 210 45 3 1 1 1	<1 989 history2 <1 <1 <1 <1 * history2 320 85 8 8 2 0
Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ESS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>25 >20 limit/base >2500 >320 >80 >20 >4	5 949 current <1 1 0 current 156 42 3 0 0 0 0	0 982 history1 <1 2 <1 210 45 3 1 1 1 0	<1 989 history2 <1 <1 <1 <1 * history2 320 85 8 8 2 0 0 0

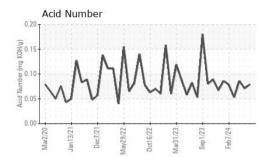
Report Id: BPENOR [WUSCAR] 06205330 (Generated: 06/12/2024 19:53:35) Rev: 1

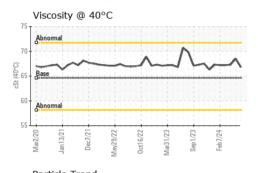
Contact/Location: PERRY NEEL - BPENOR Page 1 of 2

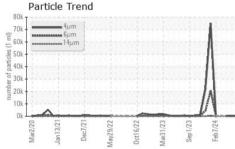


### **OIL ANALYSIS REPORT**

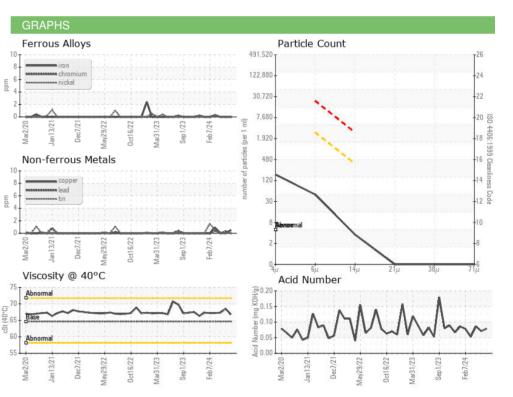








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
			11 11 11		In the transmission	le le traine O
FLUID PROPERT	IES	method				history2
FLUID PROPERT Visc @ 40°C	cSt	Method ASTM D445	limit/base 64.6	66.8	68.5	67.3
	cSt					
Visc @ 40°C	cSt	ASTM D445	64.6	66.8	68.5	67.3



: 10 Jun 2024

: 12 Jun 2024

: 12 Jun 2024 - Don Baldridge

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

Received

Diagnosed

Tested

#### HILCORP NORTHSTAR FACILITY

PRUDHOE BAY, AK US 99734 Contact: PERRY NEEL pneel@hilcorp.com T: (907)670-3514 2) F: (907)659-5377

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

 Report Id: BPENOR [WUSCAR] 06205330 (Generated: 06/12/2024 19:53:36) Rev: 1
 Contact/Location: PE

Certificate 12367

Laboratory

Sample No.

Lab Number : 06205330

Unique Number : 11072791

: HLC0003310

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

Test Package : IND 2 (Additional Tests: PrtCount)

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Contact/Location: PERRY NEEL - BPENOR

Page 2 of 2