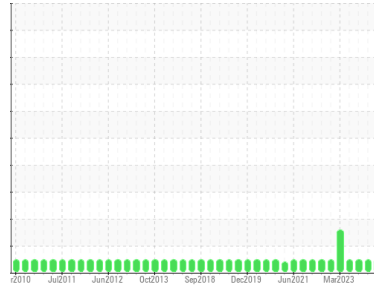




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
K-1501A Booster Compressor
 Component
Tank Lube System
 Fluid
PHILLIPS 66 Diamond Class® Turbine Oil AW 32 (--- GAL)

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 component. The amount and size of particulates present in the system is acceptable.

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	HLC0003083	HLC0003094	HLC0002663
Sample Date	Client Info	22 Mar 2024	03 Jan 2024	12 Oct 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.05	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<1	<1	0
Chromium	ppm ASTM D5185m >20	<1	<1	<1
Nickel	ppm ASTM D5185m >20	<1	<1	0
Titanium	ppm ASTM D5185m	<1	<1	0
Silver	ppm ASTM D5185m	<1	<1	0
Aluminum	ppm ASTM D5185m >20	2	2	<1
Lead	ppm ASTM D5185m >20	1	1	<1
Copper	ppm ASTM D5185m >20	<1	<1	<1
Tin	ppm ASTM D5185m >20	<1	<1	0
Vanadium	ppm ASTM D5185m	<1	<1	0
Cadmium	ppm ASTM D5185m	<1	<1	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	<1	0
Manganese	ppm ASTM D5185m	<1	<1	0
Magnesium	ppm ASTM D5185m	<1	<1	<1
Calcium	ppm ASTM D5185m	4	4	<1
Phosphorus	ppm ASTM D5185m	16	25	0
Zinc	ppm ASTM D5185m	0	0	0
Sulfur	ppm ASTM D5185m	565	548	577

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	1	1	<1
Sodium	ppm ASTM D5185m	0	0	0
Potassium	ppm ASTM D5185m >20	1	<1	2

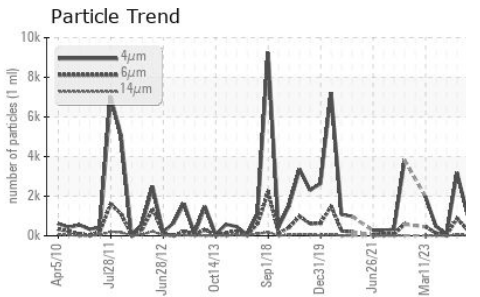
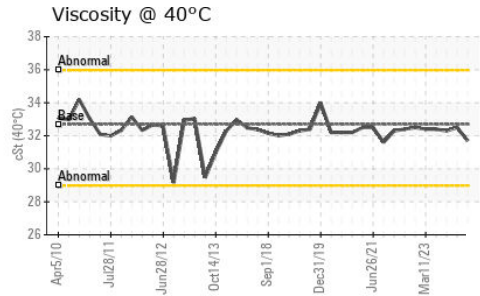
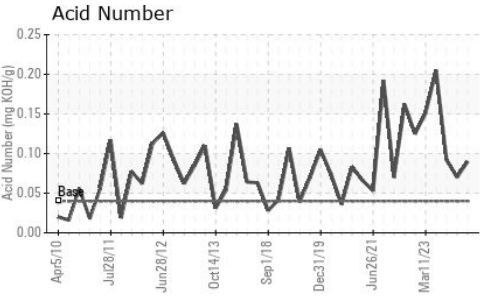
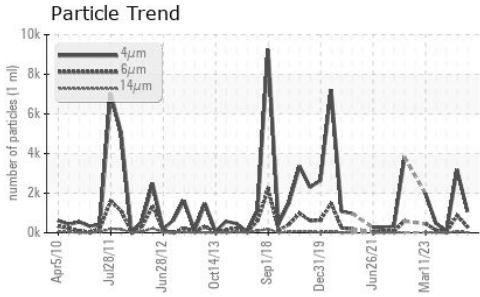
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	1066	3185	80
Particles >6µm	ASTM D7647 >2500	295	882	27
Particles >14µm	ASTM D7647 >320	24	58	6
Particles >21µm	ASTM D7647 >80	7	9	1
Particles >38µm	ASTM D7647 >20	0	0	0
Particles >71µm	ASTM D7647 >4	0	0	0
Oil Cleanliness	ISO 4406 (c) >--/18/15	17/15/12	19/17/13	13/12/10

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.04	0.09	0.07	0.092

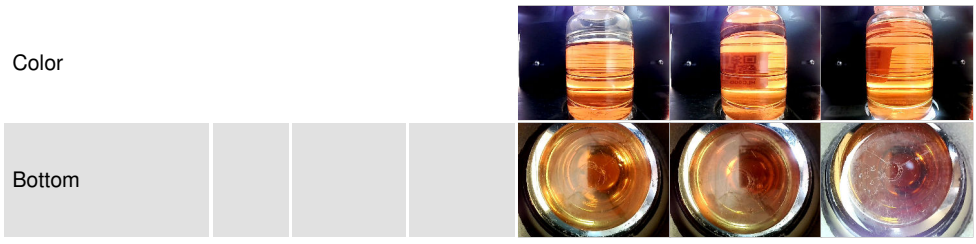
OIL ANALYSIS REPORT



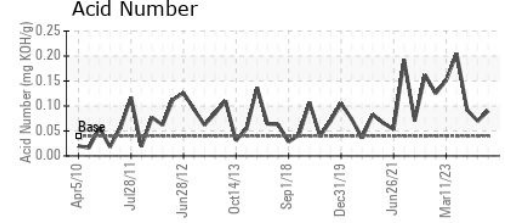
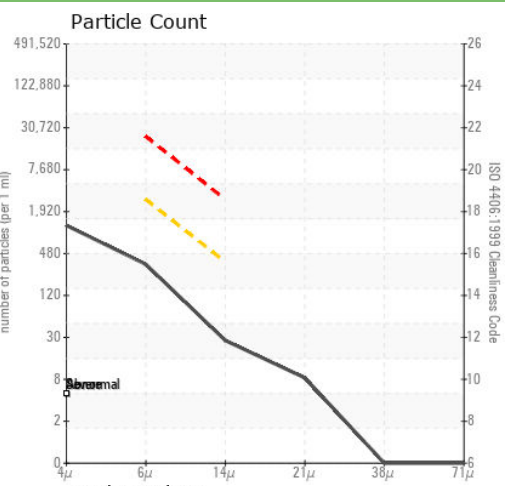
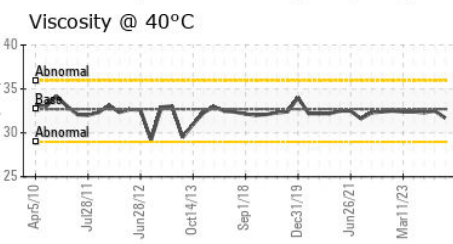
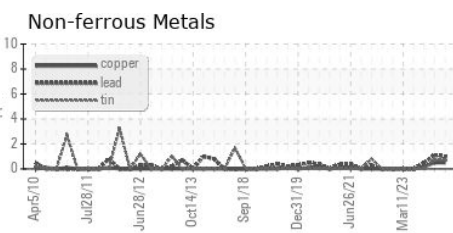
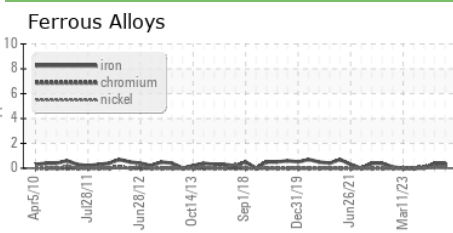
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.7	31.7	32.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HLC0003083
Lab Number : 06131374
Unique Number : 10950839
Test Package : IND 2

Received : 27 Mar 2024
Tested : 28 Mar 2024
Diagnosed : 01 Apr 2024 - Don Baldrige

HILCORP ALASKA LLC - ENDICOTT
 604 WAREHOUSE ENDICOTT
 PRUDHOE BAY, AK
 US 99734
 Contact: ALASKA NS ENDICOTT MAINT LEAD
 AlaskaNS-Endicott-MaintenanceLeads@hilcorp.com
 T: x:
 F: x:

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)