

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id

ASRI-TRL-HTR-0010 ASRI-TRL-HTR-0010

Circulating System

SAE 0W30 (12 GAL)

Recommendation

Oil and filter change at the time of sampling has been noted. 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

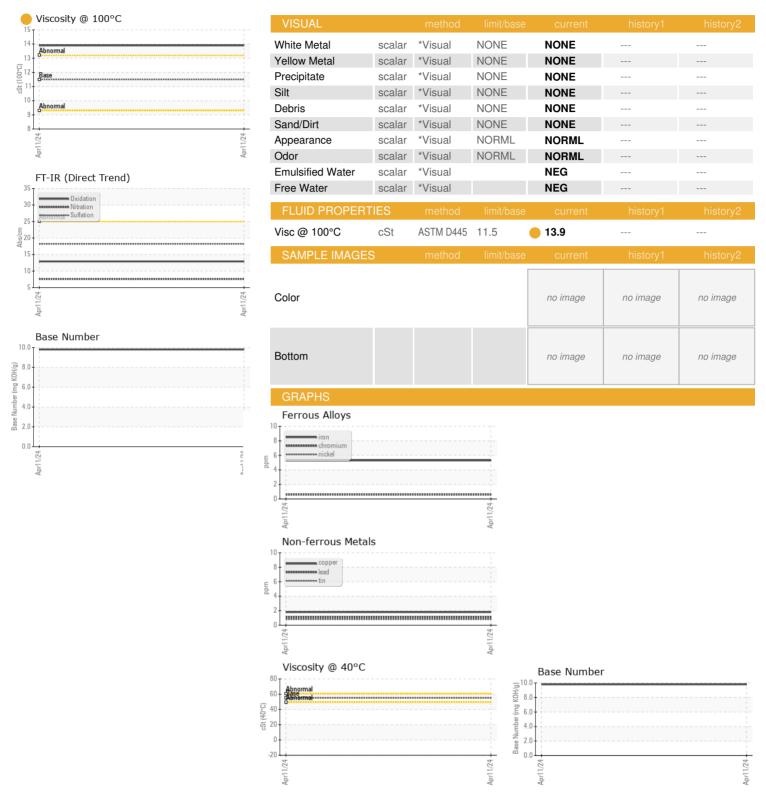
Fluid Condition

The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

				Apr2024		
				Apr2UZ4		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HLC0002972		
Sample Date		Client Info		11 Apr 2024		
Machine Age	hrs	Client Info		46431		
Oil Age	hrs	Client Info		3036		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		5		
Chromium	ppm	ASTM D5185m		<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		3		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		2		
Lead	ppm	ASTM D5185m		1		
Copper	ppm	ASTM D5185m		2		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		136		
Barium	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m		12		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		685		
Calcium	ppm	ASTM D5185m		1389		
Phosphorus	ppm	ASTM D5185m		799		
Zinc	ppm	ASTM D5185m		928		
Sulfur	ppm	ASTM D5185m		3468		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		8		
Sodium	ppm	ASTM D5185m	>12	2		
Potassium	ppm	ASTM D5185m	>20	4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624		7.6		
Sulfation	Abs/.1mm	*ASTM D7415		18.2		
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		12.9		
Base Number (BN)	mg KOH/g	ASTM D2896		9.80		
Dago Harribol (DIV)	my nony	, 10 TH D2000		0.00		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06153828 Unique Number : 10989251

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : HLC0002972

Received : 18 Apr 2024 **Tested** Diagnosed

: 24 Apr 2024 : 24 Apr 2024 - Jonathan Hester Test Package : IND 2 (Additional Tests: FT-IR, KV100, PrtCount, TBN)

1000 MILNE POINT RD PRUDOE BAY, AK US 99734 Contact: Evan Reilly

evan.reilly@hilcorp.com T: (907)670-3231

HILCORP EXPLORATION ALASKA - MILNE POINT

Contact/Location: Evan Reilly - BPEMPU

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

 st - 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: x: