

# **OIL ANALYSIS REPORT**

### Sample Rating Trend

## **NORMAL**

# **ASRI-TRL-HTR-0007 ASRI-TRL-HTR-0007**

Component

**Circulating System** 

# **SAE 0W30 (12 GAL)**

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

IKL-HIK-U	1007					
						<u> </u>
			Feb 2023	0ct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HLC0002554	HLC0002203	
Sample Date		Client Info		20 Oct 2023	26 Feb 2023	
Machine Age	hrs	Client Info		71309	67989	
Oil Age	hrs	Client Info		3320	3000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		5	4	
Chromium	ppm	ASTM D5185m		0	<1	
Nickel				•	<u> </u>	
	ppm	ASTM D5185m		0	0	
Titanium	ppm ppm	ASTM D5185m ASTM D5185m		-		
	• • • • • • • • • • • • • • • • • • • •			0	0	
Titanium	ppm	ASTM D5185m		0 2	0 <1	
Titanium Silver	ppm	ASTM D5185m ASTM D5185m		0 2 0	0 <1 0	
Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 2 0 <1	0 <1 0	
Titanium Silver Aluminum Lead	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 2 0 <1	0 <1 0 1 <1	
Titanium Silver Aluminum Lead Copper	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 2 0 <1 0	0 <1 0 1 <1 <1 <1	

Tin	nnm	ASTM D5185m		0	<1	
	ppm					
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		88	97	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		3	6	
Manganese	ppm	ASTM D5185m		0	1	
Magnesium	ppm	ASTM D5185m		675	666	
Calcium	ppm	ASTM D5185m		1336	1371	
Phosphorus	ppm	ASTM D5185m		775	689	
Zinc	ppm	ASTM D5185m		808	891	
Sulfur	ppm	ASTM D5185m		2834	3357	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		16	14	
Sodium	ppm	ASTM D5185m	>12	4	4	
Potassium	ppm	ASTM D5185m	>20	5	4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.2	0.1	
Nitration	Abs/cm	*ASTM D7624		8.1	7.6	
Sulfation	Abs/.1mm	*ASTM D7415		16.8	17.6	

12.9

FLUID DEGRADATION method

Base Number (BN) mg KOH/g ASTM D2896

Oxidation

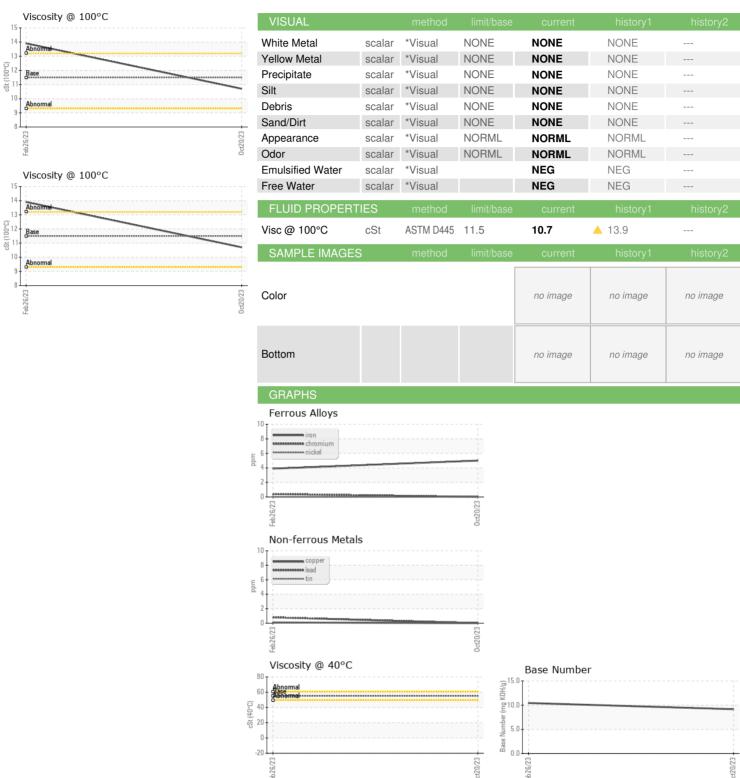
Abs/.1mm \*ASTM D7414

11.7

10.44



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory

Sample No. Lab Number Unique Number

: HLC0002554 : 05993786 : 10722146

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 Oct 2023 Diagnosed : 01 Nov 2023

Diagnostician : Sean Felton Test Package : IND 2 (Additional Tests: FT-IR, KV100, PrtCount, TBN)

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)

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