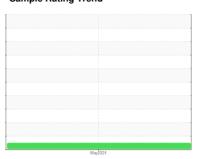


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 176049

Component

Diesel Engine

TULCO LUBSOIL CK-4 15W40 (13 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

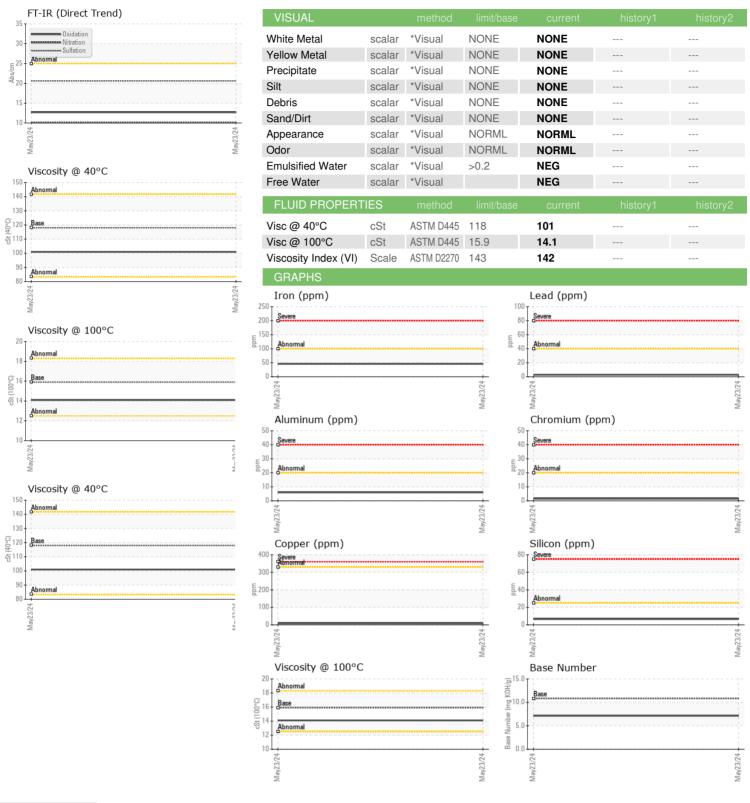
Fluid Condition

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

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002415		
Sample Date		Client Info		23 May 2024		
Machine Age	hrs	Client Info		5968		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	46		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	6		
Lead	ppm	ASTM D5185m	>40	3		
Copper	ppm	ASTM D5185m		9		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m	65	10		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	1060	17		
Calcium	ppm	ASTM D5185m	1140	2450		
Phosphorus	ppm	ASTM D5185m	1170	902		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1230 3130	1146		
	ppm			4198		
CONTAMINANTS	3	method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>25	7		
Sodium	ppm	ASTM D5185m	00	1		
Potassium	ppm	ASTM D5185m	>20	17		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624		10.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.7		
Base Number (BN)	mg KOH/g	ASTM D2896	10.8	7.15		



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: TO50002415 Lab Number : 06206746

Unique Number : 11074207

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jun 2024 **Tested** : 13 Jun 2024

Diagnosed : 13 Jun 2024 - Sean Felton Test Package : MOB 2 (Additional Tests: KV40, VI)

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.

KLX ENERGY SERVICES 701 N MAIN

UNION CITY, OK US 73090-9657 Contact: FRANKIE GOAD frankie.goad@klx.com

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

T:

F: