

OIL ANALYSIS REPORT



Machine Id **3508** Component **Diesel Engine** Fluid **TULCO LUBSOIL CK-4 15W40 (40 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 oil.

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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2																					
Sample Number		Client Info		TO50002407																							
Sample Date		Client Info		21 May 2024																							
Machine Age	hrs	Client Info		12162																							
Oil Age	hrs	Client Info		0																							
Oil Changed		Client Info		Changed																							
Sample Status				NORMAL																							
CONTAMINATION	J	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	3																							
Chromium	ppm	ASTM D5185m	>20	<1																							
Nickel	ppm	ASTM D5185m	>4	0																							
Titanium	ppm	ASTM D5185m		<1																							
Silver	ppm	ASTM D5185m	>3	0																							
Aluminum	ppm	ASTM D5185m	>20	2																							
Lead	ppm	ASTM D5185m	>40	0																							
Copper	ppm	ASTM D5185m	>330	<1																							
Tin	ppm	ASTM D5185m	>15	<1																							
Vanadium	ppm	ASTM D5185m		<1																							
Cadmium	maa	ASTM D5185m		-1																							
	1-1-																										
ADDITIVES	1- 1-	method	limit/base	current	history1	history2																					
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 33	history1	history2																					
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 33 0	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base 65	current 33 0 55	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 33 0 55 0	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base 65 1060	current 33 0 55 0 797	history1 	history2 																					
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ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D5185m	limit/base 65 1060 1140 1170 1230	current 33 0 55 0 797 1306 980 1230	history1	history2																					
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OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE		
ellow Metal	scalar	*Visual	NONE	NONE		
recipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
and/Dirt	scalar	*Visual	NONE	NONE		
ppearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
mulsified Water	scalar	*Visual	>0.2	NEG		
ree Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
′isc @ 40°C	cSt	ASTM D445	118	98.1		
′isc @ 100°C	cSt	ASTM D445	15.9	13.8		
iscosity Index (VI)	Scale	ASTM D2270	143	142		
GRAPHS						
Iron (nnm)				Lead (ppm)		



Received

Diagnosed

Tested

: 11 Jun 2024

: 13 Jun 2024

: 13 Jun 2024 - Wes Davis



701 N MAIN UNION CITY, OK US 73090-9657 Contact: FRANKIE GOAD frankie.goad@klx.com T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: KLXUNI [WUSCAR] 06206752 (Generated: 06/13/2024 14:01:21) Rev: 1

Certificate 12367

Unique Number : 11074213

Test Package : MOB 2 (Additional Tests: KV40, VI)

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

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

Submitted By: FRANKIE GOAD

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