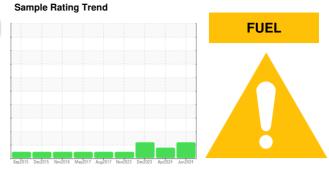


# **OIL ANALYSIS REPORT**





### Area DE Samples - CAT LAB CATERPILLAR 775F HAUL TRUCK 6836 (S/N DLS00975) Diesel Engine

# TULCO LUBSOIL CK-4 15W40 (--- GAL)

	SAMPLE INFORMA	TION	method	limit/base	current	history1	history2
1	Sample Number		Client Info		TO10002116	TO10003395	TO10003000
check the fuel injection system. t service interval to monitor.	Sample Date		Client Info		01 Jun 2024	20 Apr 2024	28 Dec 2023
	Machine Age	nrs	Client Info		27156	27156	26597
	Oil Age	hrs	Client Info		246	559	436
rates are normal.	Oil Changed		Client Info		Not Changd	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
amount of fuel present in the	CONTAMINATION		method	limit/base	current	history1	history2
	Water		WC Method	>0.2	NEG	NEG	NEG
oil and is lowering the	Glycol		WC Method		NEG	NEG	NEG
sult indicates that there is naining in the oil.	WEAR METALS		method	limit/base	current	history1	history2
	Iron	opm	ASTM D5185m	>100	5	13	12
		opm	ASTM D5185m	>20	0	<1	<1
		opm	ASTM D5185m	>2	0	0	0
		opm	ASTM D5185m	>2	0	0	0
		opm	ASTM D5185m		0	0	0
		opm	ASTM D5185m		<1	<1	1
		opm	ASTM D5185m	>40	0	<1	<1
		opm	ASTM D5185m		0	2	2
		opm	ASTM D5185m		0	<1	<1
		opm	ASTM D5185m		0	0	0
		opm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	opm	ASTM D5185m		<1	10	14
		opm	ASTM D5185m		0	0	0
		opm	ASTM D5185m	65	62	58	56
		opm	ASTM D5185m	00	0	<1	<1
		opm		1060	1089	907	880
		opm			1242	1051	1030
			ASTM D5185m	1170	1193	1044	1015
		opm opm	ASTM D5185m	1230	1428	1228	1218
	- <i>u</i>	opm	ASTM D5185m	3130	4501	3706	3068
	CONTAMINANTS	- 14	method	limit/base	current	history1	history2
	<b></b>	opm	ASTM D5185m		2	3	2
		opm	ASTM D5185m	200	<1	1	2
		opm	ASTM D5185m	>20	0	0	<1
		%	ASTM D3524		▲ 5.1	▲ 5.7	▲ 6.2
	INFRA-RED		method	limit/base		history1	history2
		%	*ASTM D7844		0.3	0.4	0.4
		Abs/cm	*ASTM D7624		6.0	6.9	6.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3	19.1	18.8
	FLUID DEGRADAT	ION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	13.8	13.5

Base Number (BN) mg KOH/g ASTM D2896 10.8

#### Recommendation

We advise that you ch Resample at the next

#### Wear

All component wear ra

#### Contamination

There is a moderate a oil.

#### Fluid Condition

Fuel is present in the viscosity. The BN resi suitable alkalinity rem

10.00

9.75

9.93



# **OIL ANALYSIS REPORT**

limit/base

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

limit/base

>0.2

118

15.9

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

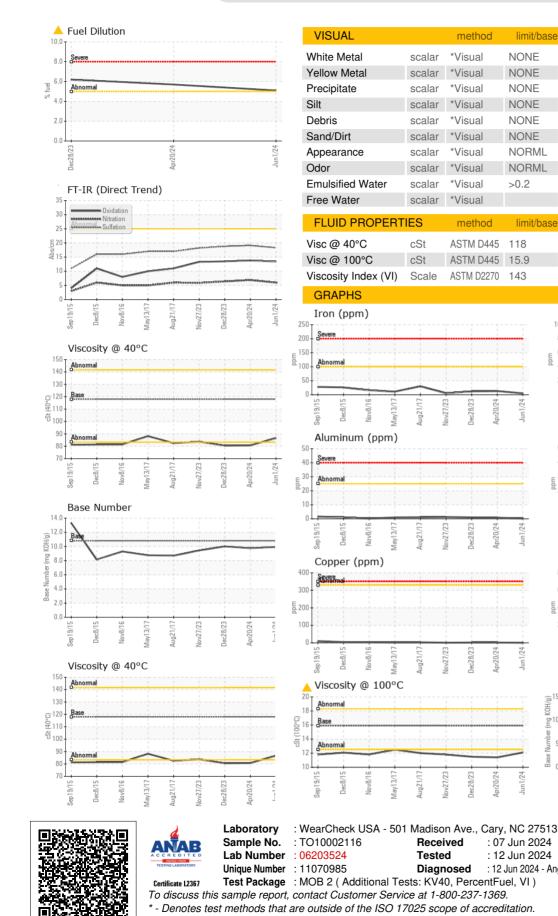
curren

NEG

NEG

86.6

12.1



143 133 131 134 Lead (ppm) 100 80 60 ppm 40 20 un1/24 en] Chromium (ppm) 40 21 Ab 20 10 0 lun1/74 Sep 19/1 Silicon (ppm) 80 S 60 E 40 20 Jun1/24 Sep 1 Base Number \_\_\_\_15.0 KOH 0. 5.0 Base 0.0 Jun1/24 1/24 Sep19/15 lec28/23 ANCHOR STONE TULSA ROCK : 07 Jun 2024 TULSA ROCK QUARRY, 66TH ST N 145TH AVENUE : 12 Jun 2024

history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NFG

NEG

80.7

11.4

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

80.5

11.5

: 12 Jun 2024 - Angela Borella

TULSA, OK US 74137 Contact: MIKE SNYDER msnyder@anchorstoneco.com T: (417)850-9635

\* - 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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Submitted By: SKIP SAENGERHAUSEN

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