OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

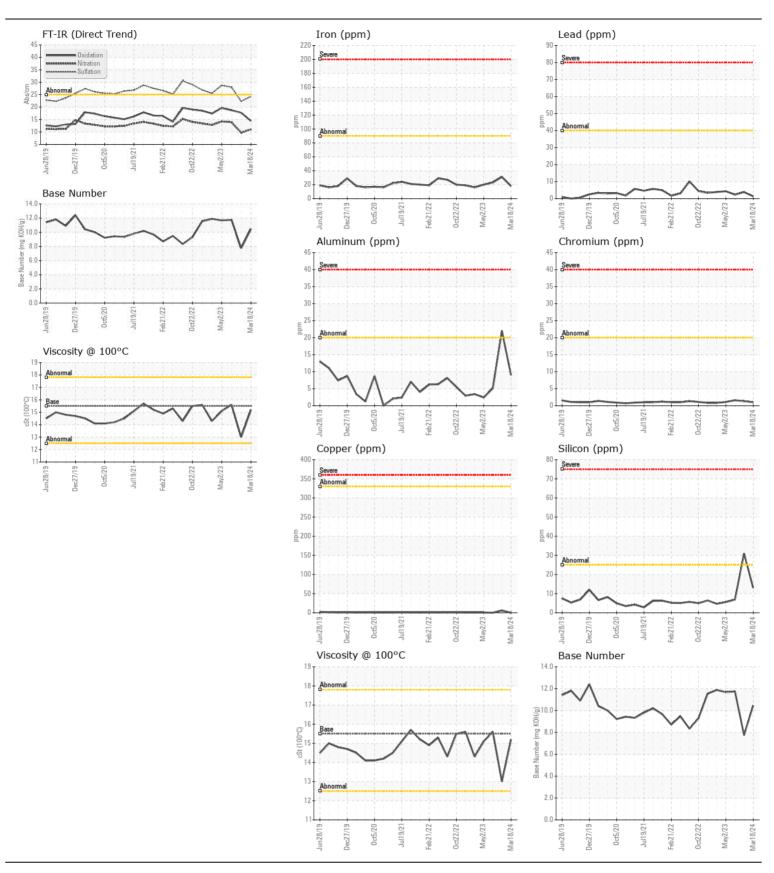
Machine Id

PETERBILT T101

Diesel Engine

Fluid
TDO DDO ODEO IV VD OVALDI END 44

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06157116	TR06073162	TR0590567
	Sample Date		Client Info		18 Mar 2024	28 Dec 2023	18 Jul 202
	Machine Age	mls	Client Info		431125	413556	387705
	Oil Age	mls	Client Info		17569	13556	15060
	Filter Age	mls	Client Info		17569	13556	15060
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>90	18	31	23
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	1	2
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		9	22	5
	Lead	ppm	ASTM D5185m		1	4	2
	Copper	ppm	ASTM D5185m	>330	<1	6	<1
	Tin	ppm	ASTM D5185m	>15	1	1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	\25	13	△ 31	7
	Potassium	ppm	ASTM D5185m		2	14	2
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	0.8	0.6	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	11.0	9.7	13.9
	Sulfation	Abs/.1mm	*ASTM D7415		24.2	22.3	28.0
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		10	28	3
	Boron	ppm	ASTM D5185m		4	54	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m		6	32	2
	Manganese	ppm	ASTM D5185m		<1	3	<1
	Magnesium	ppm	ASTM D5185m		48	272	42
	Calcium	ppm	ASTM D5185m		4254	1921	4707
	Phosphorus	ppm	ASTM D5185m		940	967	966
	Zinc	ppm	ASTM D5185m		1086	1196	1150
	Sulfur	ppm	ASTM D5185m		4272	2955	4946
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	17.7	18.7
	Base Number (BN)				10.45	7.75	11.75
		9					





Certificate L2367

Report Id: MIDEASTR [WUSCAR] 06157116 (Generated: 04/23/2024 19:44:37) Rev: 1

Laboratory Sample No.

: TR06157116 Lab Number : 06157116 Unique Number: 10992539

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Test Package : MOB 2

To discuss this sample report, contact Customer Service at 1-800-827-0711.

: 22 Apr 2024 : 23 Apr 2024

: 23 Apr 2024 - Wes Davis Diagnosed

MID-EAST TRUCKING

831 W. NASSAU ST. EAST CANTON, OH

US 44730 Contact: JIM FITZGERALD

shop@mideast.com T:

* - 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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