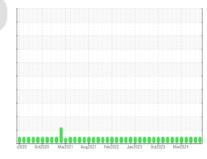


# **OIL ANALYSIS REPORT**

OKLAHOMA Machine Ld 2013 MACK 10277

**Diesel Engine** 

MYSTIK JT-8 SYN SUPER HD 15W40 (9 GAL)



Sample Rating Trend



### 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

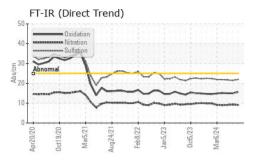
### **Fluid Condition**

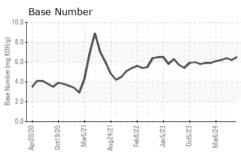
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

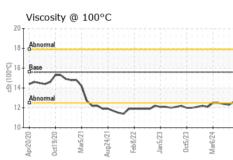
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0899581	WC0935469	WC0929921
Sample Date		Client Info		08 Jul 2024	08 Jun 2024	06 May 2024
Machine Age	hrs	Client Info		13188	13115	13038
Oil Age	hrs	Client Info		1312	1239	1162
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	1	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	11	12	12
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	2	3
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	6	5	5
Tin	ppm	ASTM D5185m	>15	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		14	19	23
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		23	19	20
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		480	434	379
Calcium	ppm	ASTM D5185m		1623	1767	1560
Phosphorus	ppm	ASTM D5185m		989	960	836
Zinc	ppm	ASTM D5185m		1140	1153	1020
Sulfur	ppm	ASTM D5185m		3046	3803	3308
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	6
Sodium	ppm	ASTM D5185m		6	8	6
Potassium	ppm	ASTM D5185m	>20	3	2	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.1	9.2	9.1
Sulfation	Abs/.1mm	*ASTM D7415		21.9	21.5	21.7
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	15.0	15.0
Base Number (BN)	mg KOH/g	ASTM D2896	20	6.5	6.2	6.4
Dage Humber (DIV)	mg Northy	, 10 TWI D2000		0.0	0.2	0.7



## **OIL ANALYSIS REPORT**



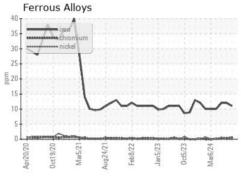


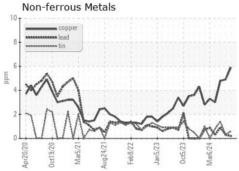


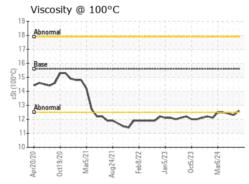
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

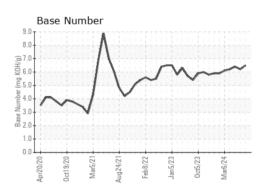
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.6	12.6	12.3	12.4	

#### **GRAPHS**













Certificate 12367

Laboratory Sample No.

: WC0899581 Lab Number : 06234716 Unique Number : 11123550 Test Package : FLEET

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

: 15 Jul 2024

Diagnosed : 15 Jul 2024 - Don Baldridge

: 12 Jul 2024

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)

T: F:

Report Id: SEAOKL [WUSCAR] 06234716 (Generated: 07/15/2024 11:52:28) Rev: 1

Contact/Location: M Rutherford - SEAOKL

US 73149

LIBERTY DISPOSAL

6401 S EASTERN AVE

OKLAHOMA CITY, OK

Contact: M Rutherford

M.Rutherford@ldi89.com