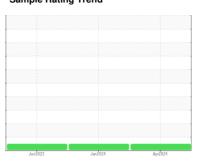


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

MACK 1209

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- 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

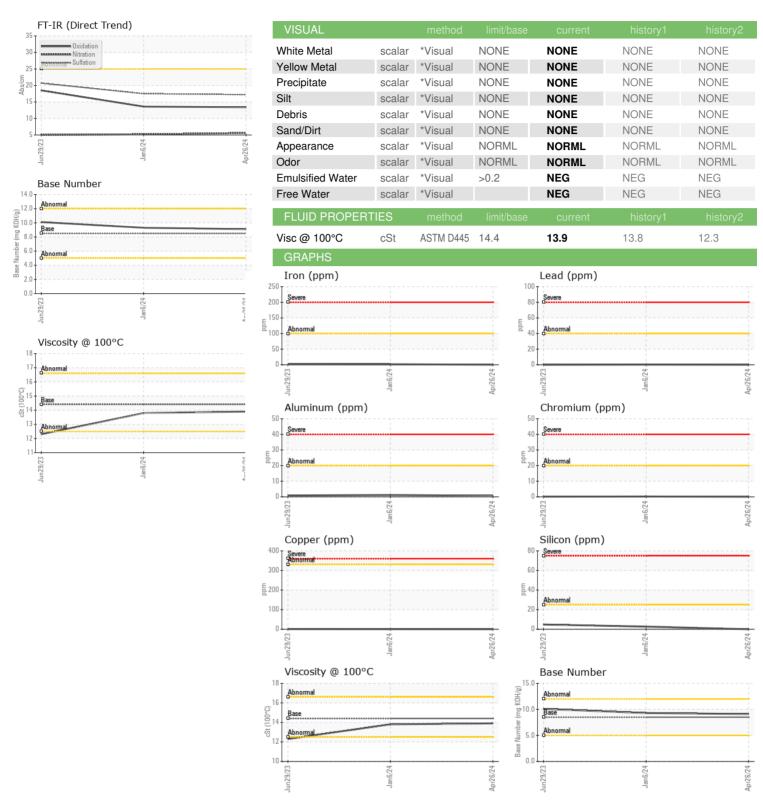
Fluid Condition

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

		Ju	JUNIOUS JANEOUS APRICUES			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917323	WC0878832	WC0822347
Sample Date		Client Info		26 Apr 2024	06 Jan 2024	29 Jun 2023
Machine Age	mls	Client Info		543784	543299	341626
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.5
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	>100	0	2	2
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	1	<1
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	0	8	73
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	57	53	52
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	450	981	947	461
Calcium	ppm	ASTM D5185m	3000	1095	1043	1490
Phosphorus	ppm	ASTM D5185m	1150	1074	1005	709
Zinc	ppm	ASTM D5185m	1350	1262	1162	832
Sulfur	ppm	ASTM D5185m	4250	3743	3051	2394
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	3	5
Sodium	ppm	ASTM D5185m	>158	1	2	<1
Potassium	ppm	ASTM D5185m	>20	0	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.6	5.2	5.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.2	17.5	20.7
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	13.6	18.5
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.1	9.3	10.1



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

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

: WC0917323 : 06197257 Unique Number : 11059380

Received : 03 Jun 2024 **Tested** : 03 Jun 2024 Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 03 Jun 2024 - Wes Davis

FAYETTEVILLE, NC US 28301 Contact: BRYAN VANNIMAN bryanvanniman@fayblock.com T: (800)326-9198

Contact/Location: BRYAN VANNIMAN - CONFAY

161 BUILDERS BLVD

CONCRETE SERVICE CO - FAY BLOCK

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)