

[MIXERS] M290

**KENDALL 15W40 (--- GAL)** 

## **OIL ANALYSIS REPORT**

Sample Rating Trend

SAMPLE INFORMATION method limit/base



#### DIAGNOSIS

Diesel Engine

**MIXERS** 

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Area

Fluid

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

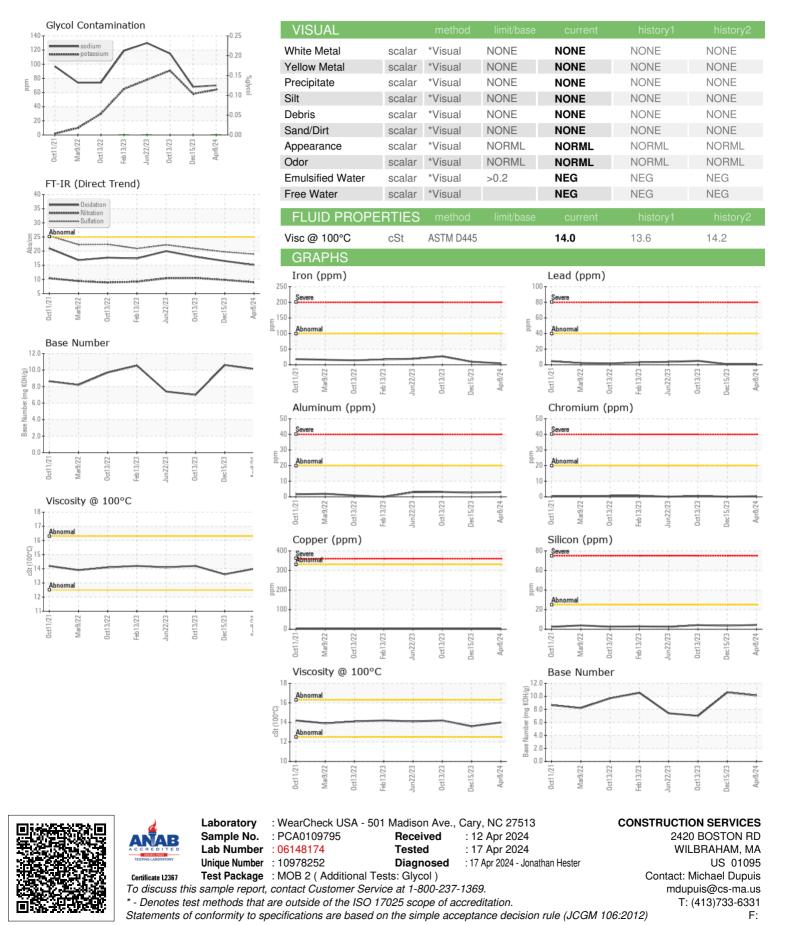
### Fluid Condition

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

SAMIFLE INFOR		mothod	iiiiii/base	current	nistory i	Thistory2
Sample Number		Client Info		PCA0109795	LP0001226	LP0000440
Sample Date		Client Info		08 Apr 2024	15 Dec 2023	13 Oct 2023
Machine Age	hrs	Client Info		23643	23246	22843
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	5	10	27
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		2	1	1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	3
Lead	ppm	ASTM D5185m	>40	<1	<1	5
Copper	ppm	ASTM D5185m	>330	2	2	3
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6.3	59	47	37
Barium	ppm	ASTM D5185m	0.6	0	0	0
Molybdenum	ppm	ASTM D5185m	0.4	106	93	102
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	277	116	151	240
Calcium	ppm	ASTM D5185m	1514	2396	2059	2120
Phosphorus	ppm	ASTM D5185m	634	1147	1063	1003
Zinc	ppm	ASTM D5185m	743	1311	1262	1295
Sulfur	ppm	ASTM D5185m	2592	4315	3724	3876
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	4
Sodium	ppm	ASTM D5185m		70	68	<u> </u>
Potassium	ppm	ASTM D5185m	>20	64	<b>5</b> 8	<b>4</b> 91
Glycol	%	*ASTM D2982		0.0	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.2	0.3
Nitration	Abs/cm	*ASTM D7624	>20	9.0	9.8	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	19.7	20.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	16.5	18.0
Base Number (BN)	mg KOH/g	ASTM D2896		10.14	10.60	7.0



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