

OIL ANALYSIS REPORT

Area **TRACTORS** Machine Id **[TRACTORS] TR373** Component

Diesel Engine

KENDALL 15W40 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Wear

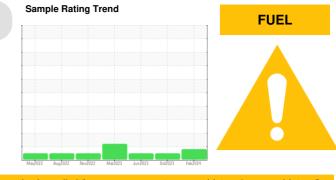
All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

Fluid Condition

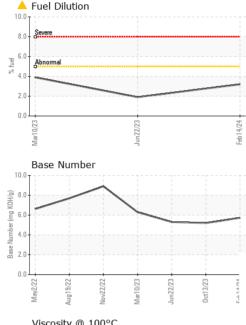
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

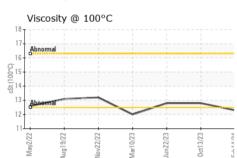


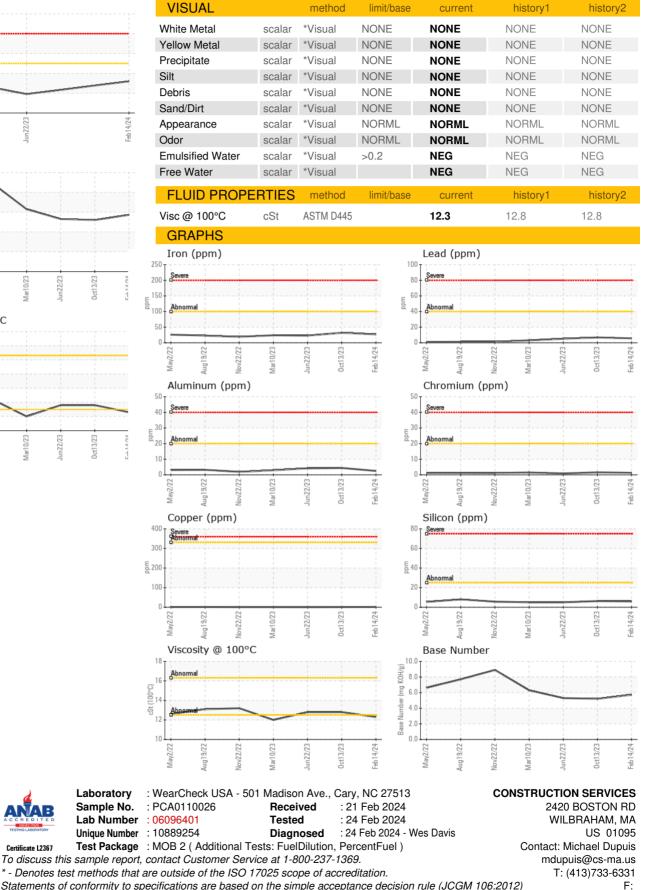
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110026	LP0000441	LP0000182
Sample Date		Client Info		14 Feb 2024	13 Oct 2023	22 Jun 2023
Machine Age	hrs	Client Info		7856	7218	6680
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				MARGINAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	27	32	23
Chromium	ppm	ASTM D5185m	>20	1	2	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		1	1	1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	4	4
Lead	ppm	ASTM D5185m	>40	6	7	5
Copper	ppm	ASTM D5185m	>330	1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6.3	28	20	23
Barium	ppm	ASTM D5185m	0.6	<1	0	5
Molybdenum	ppm	ASTM D5185m	0.4	82	88	78
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	277	100	184	128
Calcium	ppm	ASTM D5185m	1514	1893	2074	1821
Phosphorus	ppm	ASTM D5185m	634	939	975	873
Zinc	ppm	ASTM D5185m	743	1089	1243	1100
Sulfur	ppm	ASTM D5185m	2592	3459	3637	3511
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	6	5
Sodium	ppm	ASTM D5185m		0	8	7
Potassium	ppm	ASTM D5185m	>20	5	8	3
Fuel	%	ASTM D3524	>5	▲ 3.2	<1.0	1.9
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.8	0.7
Nitration	Abs/cm	*ASTM D7624	>20	11.2	10.8	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.1	23.7	24.4
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	19.6	20.9
Base Number (BN)	mg KOH/g	ASTM D2896		5.72	5.2	5.3



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Submitted By: Michael Dupuis

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