

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

GROVE CR-760 Component

Diesel Engine

Fluid FLEETLINE SUPERFLEET XHD 15W40 (11 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

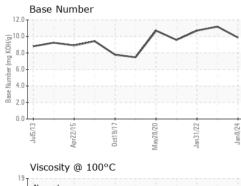
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

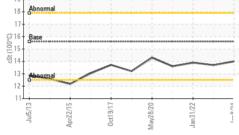
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110119	WC0569898	WCDB2663
Sample Date		Client Info		08 Jan 2024	28 Apr 2023	31 Jan 2022
Machine Age	hrs	Client Info		4753	4519	4234
Oil Age	hrs	Client Info		234	285	263
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	6	11	8
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m	>2	2	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	3	2
Lead	ppm	ASTM D5185m	>40	<1	0	1
Copper	ppm	ASTM D5185m	>330	0	0	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		11	14	19
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		57	61	58
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		893	971	910
Calcium	ppm	ASTM D5185m		1013	1066	1046
Phosphorus	ppm	ASTM D5185m		1038	1057	1029
Zinc	ppm	ASTM D5185m		1223	1295	1213
Sulfur	ppm	ASTM D5185m		3155	3826	2756
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	5	3
Sodium	ppm	ASTM D5185m		<1	2	1
Potassium	ppm	ASTM D5185m	>20	2	5	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.1	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.5	6.4	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.4	18.1	18.7
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.2	13.3	14.0
Base Number (BN)	mg KOH/g	ASTM D2896		9.86	11.18	10.7
08-34-30) Bov: 1	0) Rev: 1 Contact/Location: PALIL MOGAN - LORWEYMA					

Contact/Location: PAUL MOGAN - LORWEYMA



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Certificate L2367