

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **HYUNDAI LB-51 - 0000016**

Diesel Engine

FLEETLINE SUPERFLEET XHD 15W40 (12 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Woor

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

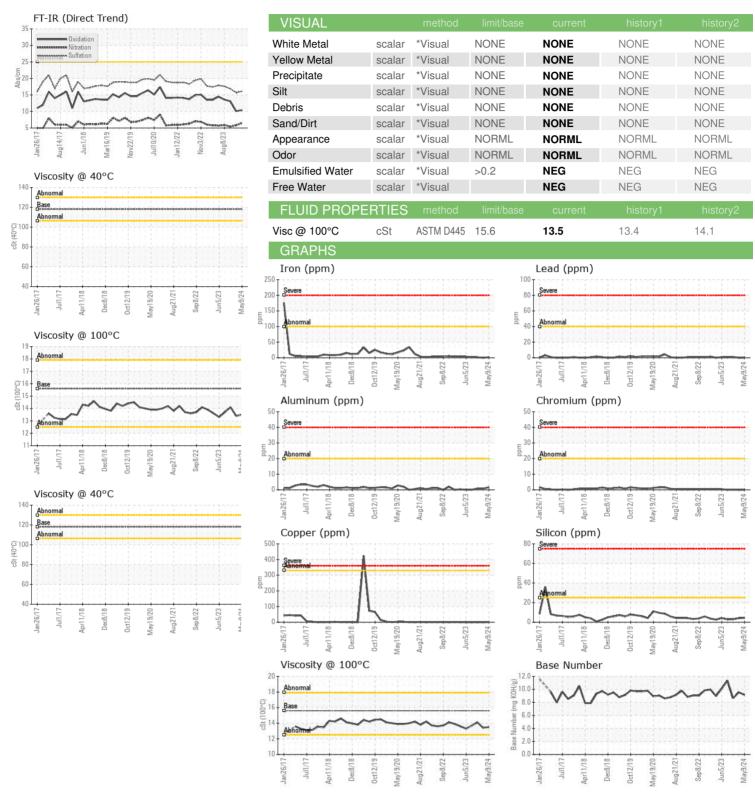
Fluid Condition

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

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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109833	LP0000576	LP0000607
Sample Date		Client Info		09 May 2024	09 Nov 2023	05 Sep 2023
Machine Age	hrs	Client Info		12798	12227	11962
Oil Age	hrs	Client Info		288	265	298
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
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
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	1	0	1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	2	<1	<1
Lead	ppm	ASTM D5185m	>40	0	0	1
Copper	ppm	ASTM D5185m	>330	<1	0	0
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		25	14	2
Barium	ppm	ASTM D5185m		0	0	3
Molybdenum	ppm	ASTM D5185m		38	24	59
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		222	343	1010
Calcium	ppm	ASTM D5185m		1986	1674	1085
Phosphorus	ppm	ASTM D5185m		957	905	1105
Zinc	ppm	ASTM D5185m		1114	1053	1340
Sulfur	ppm	ASTM D5185m		4067	3237	3384
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	3
Sodium	ppm	ASTM D5185m		3	<1	1
Potassium	ppm	ASTM D5185m	>20	4	0	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.5	5.8	5.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1	15.7	16.9
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.4	10.1	13.1
Base Number (BN)	mg KOH/g	ASTM D2896		9.15	9.53	8.65
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Certificate 12367

Laboratory Sample No.

: PCA0109833 Lab Number : 06223651 Unique Number : 11101848

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

: 28 Jun 2024 : 01 Jul 2024 Diagnosed Test Package : MOB 2 (Additional Tests: KV40)

: 01 Jul 2024 - Jonathan Hester

LORUSSO BRISTOL STONE CORP 611 PLEASANT ST WEYMOUTH, MA US 02189 Contact: PAUL MOGAN lbstone611@comcast.net

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

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