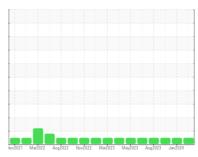


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 1953 Component

Diesel Engine

DIESEL ENGINE OIL SAE 5W30 (--- GAL)

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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

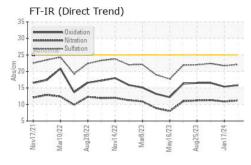
Fluid Condition

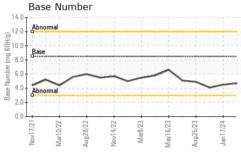
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

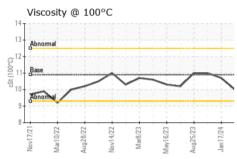
вох2021 Маг2022 Анд2022 Иох2022 Маг2023 Маг2023 Анд2023 Jan2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HRE0000140	WC0860412	WC0860426
Sample Date		Client Info		09 Apr 2024	17 Jan 2024	25 Oct 2023
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		6000	6000	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	N	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 METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	8	5
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	2	4
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
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	250	18	27	25
Barium	ppm	ASTM D5185m	10	<1	4	4
Molybdenum	ppm	ASTM D5185m	100	188	217	197
Manganese	ppm	ASTM D5185m		4	3	1
Magnesium	ppm	ASTM D5185m	450	576	633	578
Calcium	ppm	ASTM D5185m		1191	1157	1013
Phosphorus	ppm	ASTM D5185m	1150	563	575	541
Zinc	ppm	ASTM D5185m	1350	673	721	659
Sulfur	ppm	ASTM D5185m	4250	2495	2664	2157
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17	18	12
Sodium	ppm	ASTM D5185m	000	<1	0	2
Potassium	ppm	ASTM D5185m		2	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0	0
Nitration	Abs/cm	*ASTM D7624		11.2	10.9	11.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	21.7	22.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	15.4	16.5
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	4.7	4.5	4.1

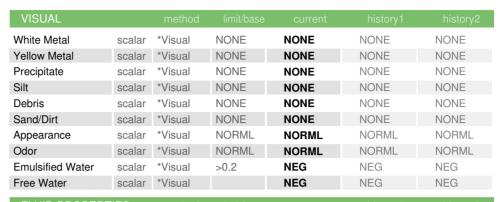


OIL ANALYSIS REPORT









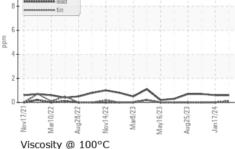
FLUID PROPEF	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	10.9	10.0	10.7	11.0

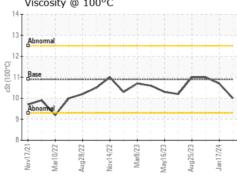
GRAPHS

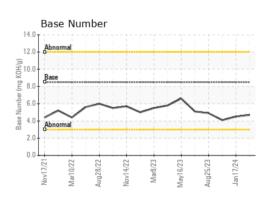
Non-ferrous Metals

Ferrous Alloys













Certificate 12367

Sample No.

Lab Number : 06148475

: HRE0000140 Unique Number : 10978553 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024 **Tested** : 16 Apr 2024

Diagnosed : 17 Apr 2024 - Jonathan Hester

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

US 27516 Contact: Lisa DePasqua Idepasqua@townofchapelhill.org T: (919)696-4941

TOWN OF CHAPEL HILL

6900 MILLHOUSE RD

CHAPEL HILL, NC

* - 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)