

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id SULLAIR 223

Component

Diesel Engine

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

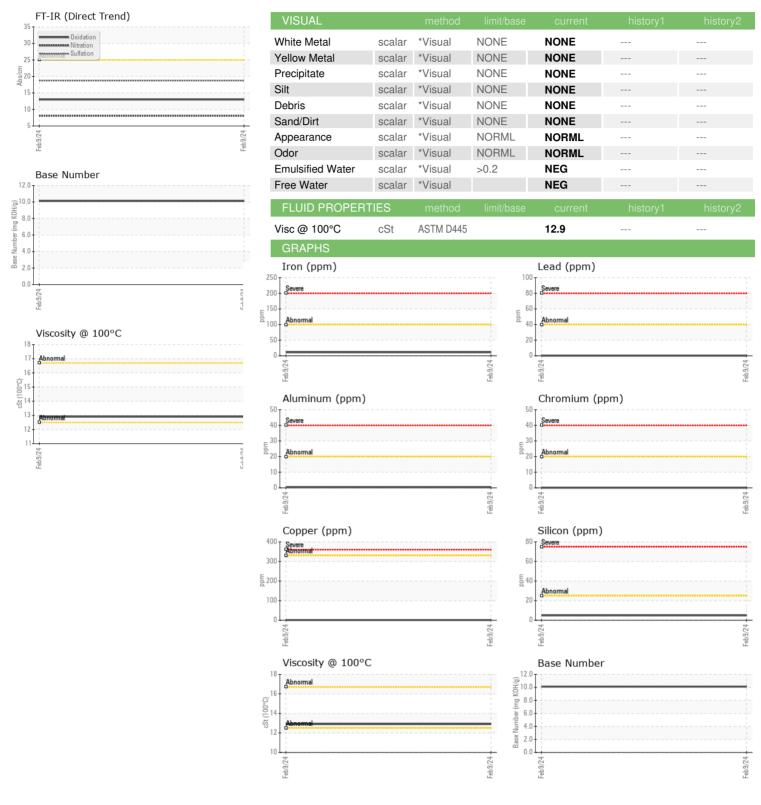
Fluid Condition

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

				Feb 2024		
				1802024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005008		
Sample Date		Client Info		09 Feb 2024		
Machine Age	hrs	Client Info		1038		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	11		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	<1		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		77		
Barium	ppm	ASTM D5185m		4		
Molybdenum	ppm	ASTM D5185m		9		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		652		
Calcium	ppm	ASTM D5185m		1636		
Phosphorus	ppm	ASTM D5185m		1118		
Zinc	ppm	ASTM D5185m		1300		
Sulfur	ppm	ASTM D5185m		4744		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
			00	8.1		
	Abs/cm	*ASTM D7624	>20	0.1		
	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>30	18.7		
	Abs/.1mm					
Nitration Sulfation FLUID DEGRADA Oxidation	Abs/.1mm	*ASTM D7415	>30	18.7		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06146741 Unique Number : 10976819

: RW0005008 Test Package : MOB 2

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Apr 2024

Tested : 15 Apr 2024 Diagnosed : 15 Apr 2024 - Wes Davis

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HALLACK CONTRACTING, INC.

* - 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)

Contact/Location: DAN HALLACK KARL BUTCHER - HALHAR