

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 192517

Component Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a components first oil change.

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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0057266	PCA0020944	
Sample Date		Client Info		28 Nov 2023	24 Jan 2022	
Machine Age	mls	Client Info		361180	22735	
Oil Age	mls	Client Info		17550	22735	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9	2	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	3	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m	>330	2	1	
Tin	ppm	ASTM D5185m	>15	0	0	
Antimony	ppm	ASTM D5185m			<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	15	2	
Barium	ppm	ASTM D5185m	10	10	0	
Molybdenum	ppm	ASTM D5185m	100	42	64	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	450	504	1073	
Calcium	ppm	ASTM D5185m	3000	1359	1146	
Phosphorus	ppm	ASTM D5185m	1150	708	1069	
Zinc	ppm	ASTM D5185m	1350	806	1344	
Sulfur	ppm	ASTM D5185m	4250	2508	2841	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17	7	
Sodium	ppm	ASTM D5185m		7	1	
Potassium	ppm	ASTM D5185m	>20	5	8	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	10.2	8.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.2	21.1	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	AL / 4	*****	05	00.0	4 7 7	
	Abs/.1mm	"ASTM D7414	>25	29.9	17.7	

Contact/Location: OMAR VALVERDE - VALSTO



Jan 24

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Certificate L2367