

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



TERPILLAR 5085 onent

sel Engine

SEL ENGINE OIL SAE 15W40 (--- QTS)

DIE		Machin Compo Dies Fluid DIES
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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0650920	WC0744167	WC0744191	
Sample Date		Client Info		05 Nov 2023	06 Dec 2022	13 Oct 2022	
Machine Age	hrs	Client Info		11626	9272	8942	
Oil Age	hrs	Client Info		50	0	0	
Oil Changed		Client Info		Not Changd	N/A	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIC	N	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>100	0	6	29	
Chromium	ppm	ASTM D5185m	>20	0	<1	2	
Nickel	ppm	ASTM D5185m	>2	0	<1	0	
Fitanium	ppm	ASTM D5185m	>2	0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>25	0	6	19	
_ead	ppm	ASTM D5185m	>40	0	0	0	
Copper	ppm	ASTM D5185m	>330	0	<1	2	
Гin	ppm		>15	0	<1	<1	
Antimony	ppm	ASTM D5185m					
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	15	8	8	
Barium	ppm	ASTM D5185m	10	0	0	0	
Molybdenum	ppm	ASTM D5185m	100	55	54	59	
Vanganese	ppm	ASTM D5185m		0	<1	<1	
Vagnesium	ppm	ASTM D5185m	450	838	814	874	
Calcium	ppm	ASTM D5185m		1051	1075	1174	
Phosphorus	ppm	ASTM D5185m	1150	954	953	1001	
Zinc	ppm	ASTM D5185m	1350	1170	1162	1169	
Sulfur	ppm	ASTM D5185m	4250	3064	3359	3778	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	5	21	14	
Sodium	ppm	ASTM D5185m	>158	<1	4	<1	
Potassium	ppm	ASTM D5185m	>20	0	8	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0	0.2	2.3	
Nitration	Abs/cm	*ASTM D7624	>20	4.2	8.0	9.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.7	20.0	22.4	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.9	15.2	14.4	
	ma 1/011/		0.5	0.0	0.4	10 5	

Base Number (BN) mg KOH/g ASTM D2896 8.5

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.

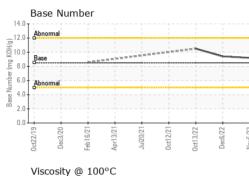
9.4

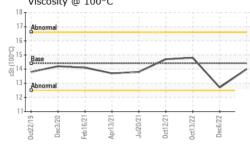
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Certificate L2367

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