

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id

TIDEWATER (S/N CBP00156)

Component Natural Gas Engine Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

🔺 Wear

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core).

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.

	AHON	methou	iiiiii/base	Current	Thistory I	Thistory 2
Sample Number		Client Info		RP0026040	RP0025714	RP0013473
Sample Date		Client Info		28 Mar 2024	31 Mar 2022	12 Jan 2021
Machine Age	hrs	Client Info		270	257	231
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
		mothod	limit/bass	ourropt	history1	bioton/2
WEAR WEIALS		methou	IIIIII/Dase	Current	Thistory I	TIIStOI y2
Iron	ppm	ASTM D5185m	>50	4	3	6
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	3	1	5
Lead	ppm	ASTM D5185m	>30	<1	1	1
Copper	ppm	ASTM D5185m	>35	<mark>/</mark> 74	1 03	1 02
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	historv1	history2
Boron	nnm	ASTM D5185m		4	62	36
Barium	ppm	ASTM D5185m		-1	0	0
Molybdenum	ppm	ASTM D5185m		126	5	6
Manganese	ppm	ASTM D5185m		-1	-1	-1
Manganese	ppm	ASTM D5185m		0/2	8	18
Coloium	ppm	ACTM D5105m		342	1626	10
Dhaanharwa	ppm	ACTM DE105m		2709	1030	2237
Zino	ppm	AGTM D5105III		340	479	205
ZINC	ррпп	ASTIVI DOTODIII		349	4/0	395
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	11	5	7
Sodium	ppm	ASTM D5185m		0	0	2
Potassium	ppm	ASTM D5185m	>20	2	1	1
Water	%	ASTM D6304	>0.1	NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.4	6.5	5.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	38.7	35.4	30.1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	57.1	44.0	29.9
Acid Number (AN)	ma KOH/a	ASTM D8045				0.922
		20010				
Base Number (BN)	ma KOH/a	ASTM D2896		12.96	6.01	



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