

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id D-2 (S/N 6181211) Genset

D-A Lubricant Blue Flame HB-8 40W (--- GAL)

DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		WCM2249836		
No corrective action is recommended at this time.	Sample Date		Client Info		17 May 2024		
Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		18977		
Wear	Oil Age	hrs	Client Info		0		
All component wear rates are normal.	Oil Changed		Client Info		N/A		
Contamination	Sample Status				ABNORMAL		
	CONTAMINATIO	N	method	limit/base	current	history1	history2
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Fuel		WC Method	>4.0	<1.0		
	Water		WC Method	>.2	NEG		
	Glycol		WC Method		NEG		
	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>20	12		
	Chromium	ppm	ASTM D5185m	>5	2		
	Nickel	ppm	ASTM D5185m	>2	1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>5	<1		
	Aluminum	ppm	ASTM D5185m	>15	12		
	Lead	ppm	ASTM D5185m	>20	<1		
	Copper	ppm	ASTM D5185m	>15	4		
	Tin	ppm	ASTM D5185m	>5	5		
	Vanadium	mag	ASTM D5185m		<1		
	Cadmium	ppm	ASTM D5185m		<1		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		9		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		6		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		40		
	Calcium	ppm	ASTM D5185m		2553		
	Phosphorus	ppm	ASTM D5185m		413		
	Zinc	ppm	ASTM D5185m		469		
	Sulfur	ppm	ASTM D5185m		4101		
	CONTAMINANTS	6	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>200	223		
	Sodium	ppm	ASTM D5185m	>20	<1		
	Potassium	ppm	ASTM D5185m	>20	4		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>2	0		
	Nitration	Abs/cm	*ASTM D7624	>20	8.2		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5		
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7		
	Acid Number (AN)	mg KOH/g	ASTM D8045		2.18		
	Base Number (BN)	mg KOH/g	ASTM D2896	8	4.31		

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