

OIL ANALYSIS REPORT

Sample Rating Trend





DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Test for glycol is negative. There is no indication of any contamination in the oil.

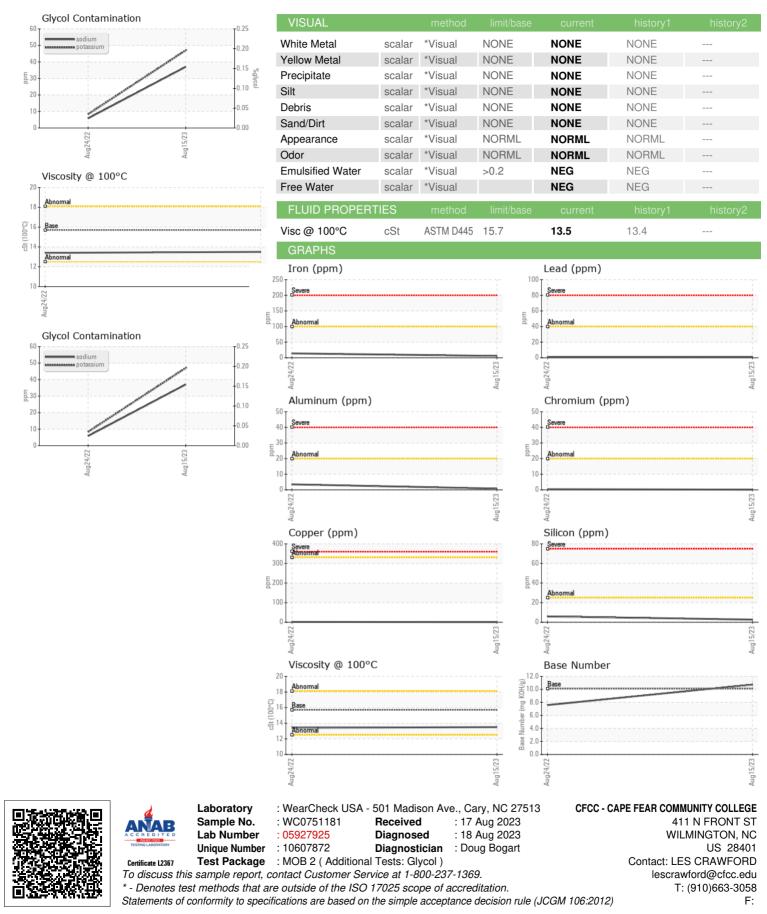
Fluid Condition

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

			Aug2022	Aug ² 023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0751181	WC0623131	
Sample Date		Client Info		15 Aug 2023	24 Aug 2022	
Machine Age	mls	Client Info		94703	94346	
Oil Age	mls	Client Info		350	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	6	14	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		<1	2	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>20	<1	4	
Lead	ppm	ASTM D5185m	>40	1	<1	
Copper	ppm	ASTM D5185m	>330	<1	2	
Tin	ppm		>15	0	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m	316	183	94	
Barium	ppm	ASTM D5185m	0.0	0	0	
Molybdenum	ppm	ASTM D5185m	1.2	15	88	
Manganese	ppm	ASTM D5185m	0.4	<1	<1	
Magnesium	ppm	ASTM D5185m	24	41	91	
Calcium	ppm	ASTM D5185m	2292	2128	2061	
Phosphorus	ppm	ASTM D5185m	1064	969 1199	1023	
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1160 4996	4173	1205 3770	
	ppm			-		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	6	
Sodium	ppm	ASTM D5185m	00	37	6	
Potassium	ppm	ASTM D5185m	>20	47	8	
Glycol	%	*ASTM D2982		NEG	NEG	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.2	
Nitration	Abs/cm	*ASTM D7624		5.9	7.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	18.7	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	13.5	
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	10.73	7.59	



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Contact/Location: LES CRAWFORD - CFCWIL