

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id GROVE 7959 (S/N 229061)

Component Swing Drive

GEAR OIL SAE 80W90 (--- QTS)

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.

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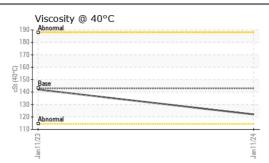
FLUID CONDITION

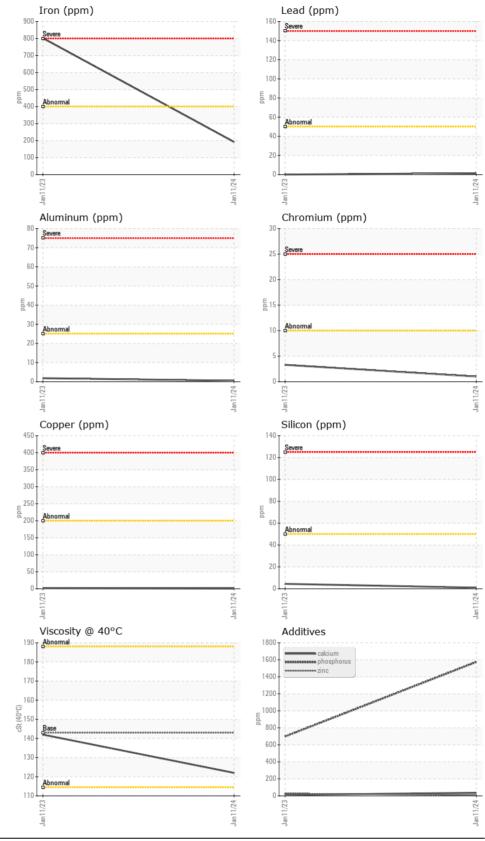
The condition of the oil is acceptable for the time in service.

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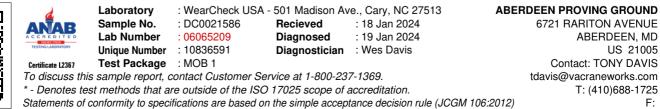
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0021586	DC0025419	
Sample Date		Client Info		11 Jan 2024	11 Jan 2023	
Machine Age	hrs	Client Info		3295	2969	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
Iran			. 400	100	A 000	
Iron	ppm	ASTM D5185m	>400	192	A 802	
Chromium	ppm	ASTM D5185m	>10	1	3	
Nickel	ppm	ASTM D5185m	>10	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	05	<1	0	
Aluminum	ppm	ASTM D5185m	>25	<1	2	
Lead	ppm	ASTM D5185m	>50	1	0	
Copper	ppm	ASTM D5185m	>200	<1	2	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>50	1	4	
Potassium	ppm	ASTM D5185m	>20	5	5	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	MODER	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	▲ 0.2%	
Sodium	ppm	ASTM D5185m	>170	<1	1	
Boron	ppm	ASTM D5185m	400	26	0	
Barium	ppm	ASTM D5185m	200	<1	0	
Molybdenum	ppm	ASTM D5185m	12	0	0	
Manganese	ppm	ASTM D5185m		3	9	
Magnesium	ppm	ASTM D5185m	12	3	<1	
Calcium	ppm	ASTM D5185m	150	36	13	
Phosphorus	ppm	ASTM D5185m	1650	1574	698	
Zinc	ppm	ASTM D5185m	125	8	29	
Sulfur	ppm	ASTM D5185m	22500	23397	23508	

Contact/Location: TONY DAVIS - CRAABEMD









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