

OIL ANALYSIS REPORT



Component Front Left Final Drive Fluid MOBIL MOBILUBE HD 80W90 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

📥 Wear

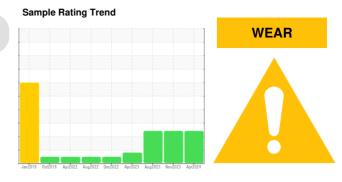
Bearing and/or bushing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

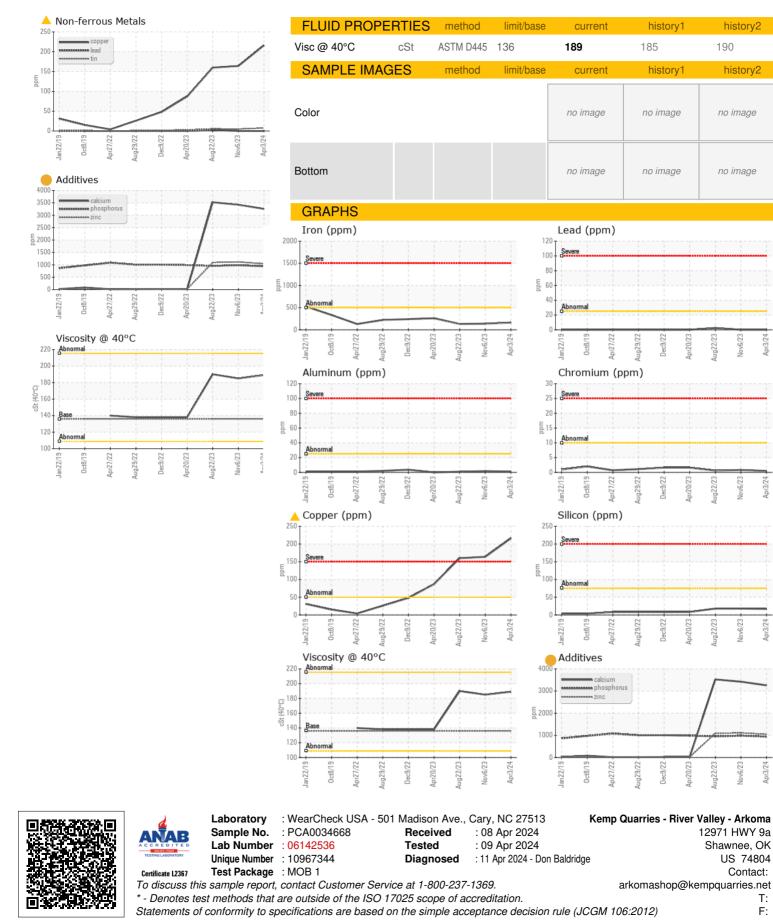
Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The condition of the oil is acceptable for the time in service.



SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0034668	PCA0084418	PCA0083940
Sample Date		Client Info		03 Apr 2024	06 Nov 2023	22 Aug 2023
Machine Age	hrs	Client Info		29902	29340	29115
Oil Age	hrs	Client Info		29115	29115	29115
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO		method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	NEG
WEAR METALS	6	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	163	138	132
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	1	2	<1
Lead	ppm	ASTM D5185m	>25	0	0	2
Copper	ppm	ASTM D5185m	>50	<u> </u>	▲ 164	▲ 160
Tin	ppm	ASTM D5185m	>10	8	5	5
Vanadium	ppm	ASTM D5185m	>10	0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES	ppin	method	limit/base	current	history1	history2
			IIIIII/Dase			
Boron	ppm	ASTM D5185m		5 6	68	95
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		11	11	5
Calcium	ppm	ASTM D5185m		3256	3422	3523
Phosphorus	ppm	ASTM D5185m		940	983	953
Zinc	ppm	ASTM D5185m		<u> </u>	1109	01091
Sulfur	ppm	ASTM D5185m		e 5690	5605	6758
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	FS ppm	ASTM D5185m	>75	current 17	<mark>history1</mark> 18	history2 18
			>75			
Silicon	ppm	ASTM D5185m	>75	17	18	18
Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>75	17 2	18 0	18 1
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20	17 2 0	18 0 3	18 1 2
Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>75 >20 limit/base	17 2 0 current	18 0 3 history1	18 1 2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>75 >20 limit/base NONE	17 2 0 current NONE	18 0 3 history1 NONE	18 1 2 history2 LIGHT
Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	>75 >20 limit/base NONE NONE	17 2 0 current NONE NONE	18 0 3 history1 NONE NONE	18 1 2 history2 LIGHT NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE	17 2 0 current NONE NONE NONE	18 0 3 history1 NONE NONE NONE	18 1 2 history2 LIGHT NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE	17 2 0 current NONE NONE NONE NONE	18 0 3 history1 NONE NONE NONE NONE	18 1 2 history2 LIGHT NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE	17 2 0 current NONE NONE NONE NONE NONE	18 0 3 history1 NONE NONE NONE NONE NONE	18 1 2 history2 LIGHT NONE NONE NONE NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE NONE	17 2 0 current NONE NONE NONE NONE NONE NONE	18 0 3 history1 NONE NONE NONE NONE NONE NONE	18 1 2 history2 LIGHT NONE NONE NONE MODER NONE
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	17 2 0 current NONE NONE NONE NONE NONE NONE NORML	18 0 3 history1 NONE NONE NONE NONE NONE NONE NONE	18 1 2 history2 LIGHT NONE NONE NONE NONE NONE NONE NONE NON
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	17 2 0 current NONE NONE NONE NONE NONE NORE NORML	18 0 3 history1 NONE NONE NONE NONE NONE NORML NORML	18 1 2 history2 LIGHT NONE NONE NONE NONE NONE NONE NONE NON



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Shawnee, OK

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Contact:

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history2

history2

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