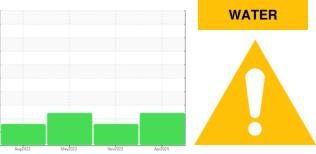


OIL ANALYSIS REPORT

Sample Rating Trend



Left Final Drive Fluic CONOCO PHILLIPS 80W90 MP (--- GAL)

DIAGNOSIS

Area [21037] Machine Id

20-80

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: ConocoPhillips 80w/90 mp gear oil)

Wear

All component wear rates are normal.

Contamination

Appearance is milky. There is a light concentration of water present in the oil.

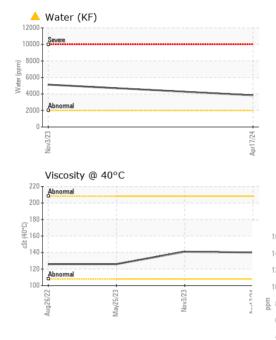
Fluid Condition

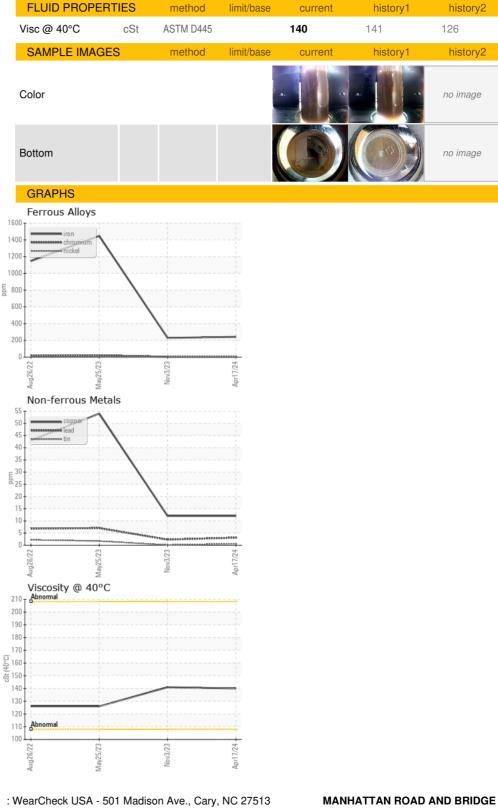
The condition of the oil is acceptable for the time in service.

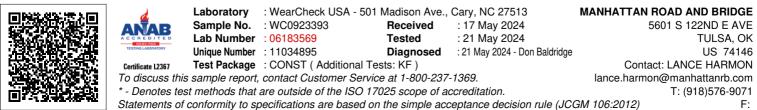
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0923393	WC0836128	WC0802426
Sample Date		Client Info		17 Apr 2024	03 Nov 2023	25 May 2023
Machine Age	hrs	Client Info		7096	6510	6026
Oil Age	hrs	Client Info		1076	484	488
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	242	229	1 446
Chromium	ppm	ASTM D5185m	>10	3	3	<u> </u>
Nickel	ppm	ASTM D5185m	>10	<1	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	5
Lead	ppm	ASTM D5185m	>25	3	2	7
Copper	ppm	ASTM D5185m	>50	12	12	▲ 54
Tin	ppm	ASTM D5185m	>10	<1	<1	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	3	6
Barium	ppm	ASTM D5185m		0	7	4
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		3	2	10
Magnesium	ppm	ASTM D5185m		4	4	3
Calcium	ppm	ASTM D5185m		17	18	48
Phosphorus	ppm	ASTM D5185m		323	308	345
Zinc	ppm	ASTM D5185m		12	8	21
Sulfur	ppm	ASTM D5185m		20421	17456	20788
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	15	13	46
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	3	2	6
Water	%	ASTM D6304	>0.2	A 0.384	0.513	
ppm Water	ppm	ASTM D6304	>2000	A 3840	5 130	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	Scalai			NONE	NONE	NONE
	scalar	*Visual	NONE	HOHL		
Silt		*Visual *Visual	NONE NONE	NONE	NONE	NONE
Silt Debris	scalar					NONE NONE
Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar	*Visual	NONE	NONE	NONE	
Silt Debris Sand/Dirt Appearance	scalar scalar scalar	*Visual *Visual	NONE NONE	NONE NONE	NONE NONE	NONE
Silt Debris Sand/Dirt	scalar scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NORML	NONE NONE HAZY	NONE NONE NORML	NONE NORML



OIL ANALYSIS REPORT







Submitted By: JAMES STEELMON

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