

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id WHEY 2 WEST TANK FARM

Component Gearbox Fluid MOBIL SHC 630 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0118378	PCA0056140	PCA0051126
Sample Date		Client Info		22 May 2024	24 May 2022	27 May 2021
Machine Age	nrs	Client Info		0	0	0
Oil Age	nrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
lron p	opm	ASTM D5185m	>200	17	9 9	A 81
	opm	ASTM D5185m	>15	0	1	1
Nickel p	opm	ASTM D5185m	>15	0	<1	<1
Titanium ß	opm	ASTM D5185m		0	1	1
Silver p	opm	ASTM D5185m		0	<1	0
Aluminum p	opm	ASTM D5185m	>25	<1	12	11
Lead p	opm	ASTM D5185m	>100	0	0	<1
Copper p	opm	ASTM D5185m	>200	0	0	0
Tin ß	opm	ASTM D5185m	>25	0	<1	0
Antimony p	opm	ASTM D5185m	>5			<1
Vanadium ß	opm	ASTM D5185m		0	0	0
Cadmium F	opm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron ß	opm	ASTM D5185m		0	2	0
Barium ß	opm	ASTM D5185m		0	0	0
Molybdenum p	opm	ASTM D5185m		0	0	0
Manganese p	opm	ASTM D5185m		<1	<1	<1
Magnesium p	opm	ASTM D5185m		0	0	<1
Calcium p	opm	ASTM D5185m		0	6	20
Phosphorus p	opm	ASTM D5185m		504	747	753
Zinc 🛛	opm	ASTM D5185m		0	0	6
Sulfur ß	opm	ASTM D5185m		32	642	696
CONTAMINANT	S	method	limit/base	current	history1	history2
	opm	ASTM D5185m	>50	20	<1	0
0 "	opm	ASTM D5185m		0	5	3
		AOTH DELOF	<u>>20</u>	<1	0	<1
	opm	ASTM D5185m	20	<u></u>	0	
		method	limit/base	current	history1	history2
Potassium					-	
Potassium p FLUID CLEANLII Particles >4µm		method	limit/base	current	history1	history2
Potassium p FLUID CLEANLII Particles >4μm Particles >6μm		method ASTM D7647	limit/base >10000	current	history1 215433	history2 185400
Potassium p		method ASTM D7647 ASTM D7647	limit/base >10000 >2500	current ▲ 117579 ▲ 18691	history1 215433 ▲ 92385	history2 185400 ▲ 82180

ASTM D7647 >40

ASTM D7647 >10

ISO 4406 (c) >20/18/16 🔺 24/21/11

1

1

Particles >38µm

Particles >71µm

Oil Cleanliness

0

0

▲ 25/24/13

0

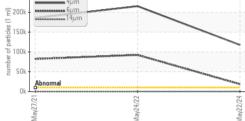
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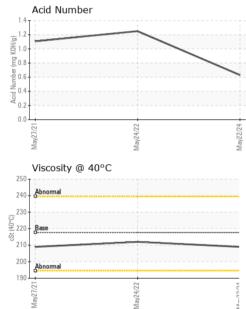
▲ 25/24/13



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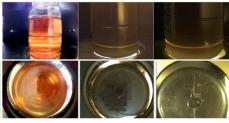
Particle Trend 250k ^{250k} ^{4μm ^{4μm} }		
a m E 50k	Constant Constant State	Annual Annual
Abnormal		STATE OF STREET, STREE
0K 1/2/12/2	May24/22	May22/24
🔺 Particle Trend		
250k = 200k		



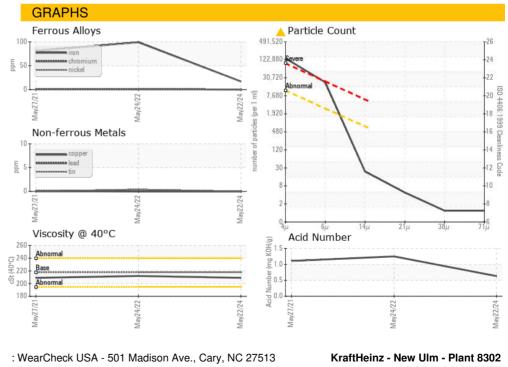


FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63	1.25	1.107
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	217.7	209	212	209
SAMPLE IMAG	ES	method	limit/base	current	history1	history2

Color



Bottom



Laboratory Sample No. : PCA0118378 Received : 28 May 2024 2525 S BRIDGE STREET Lab Number : 06192178 Tested : 29 May 2024 NEW ULM, MN Unique Number : 11048930 Diagnosed : 30 May 2024 - Jonathan Hester US 56073 Test Package : IND 2 (Additional Tests: PrtCount) Contact: RYAN SCHMID Certificate 12367 ryan.schmid@kraftheinz.com To discuss this sample report, contact Customer Service at 1-800-237-1369. T: (507)568-0338 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: (507)354-7927

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Submitted By: RYAN SCHMID

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