

WEAR
CONTAMINATION
FLUID CONDITION

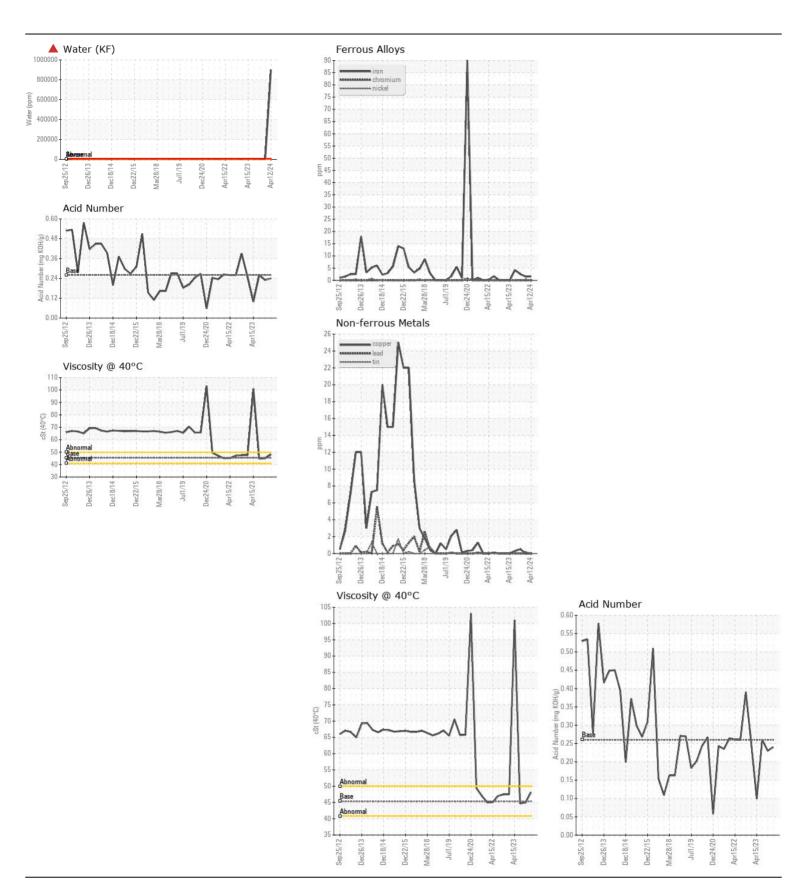
NORMAL SEVERE NORMAL

TUMBLE

B37183 - W AMFEC HYD RES (S/N 960787)

Component Hydraulic System

RECOMMENDATION We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a all tests.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0914015	WC0856687	WC0828356
	Sample Date		Client Info		12 Apr 2024	11 Oct 2023	16 Jul 2023
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed Sample Status		Client Info		N/A SEVERE	N/A ABNORMAL	N/A NORMAL
WEAR	Iron	ppm	ASTM D5185m		2	2	2
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	0
	Nickel	ppm	ASTM D5185m	>20	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	00	0	0	0
	Aluminum	ppm	ASTM D5185m		0	0	0
	Lead	ppm	ASTM D5185m	>20	0	0	0
	Copper	ppm	ASTM D5185m		0	0	<1
	Tin	ppm	ASTM D5185m	>20	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>15	3	2	4
	Potassium	ppm	ASTM D5185m	>20	0	2	0
Sample consists almost entirely of free water. There is a high concentration of water present in the oil.	Water	%	ASTM D6304	>0.05	4 90.0	<u> </u>	0.002
	ppm Water	ppm	ASTM D6304	>500	4 900000	<u> </u>	20.1
	Particles >4µm		ASTM D7647	>10000		1800	1121
	Particles >6μm		ASTM D7647	>1300		304	209
	Particles >14μm		ASTM D7647	>160		12	16
	Particles >21µm		ASTM D7647	>40		2	5
	Particles >38μm		ASTM D7647	>10		1	0
	Particles >71µm		ASTM D7647	>3		1	0
	Oil Cleanliness		ISO 4406 (c)	>20/17/14		18/15/11	17/15/1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	HAZY	NORM
	Odor		*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.05	NEG	<u></u> 0.2%	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	6	<1
	Boron	ppm	ASTM D5185m		0	0	0
The oil is no longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		0	0	2
	Molybdenum	ppm	ASTM D5185m		1	0	0
	Manganese	ppm	ASTM D5185m		0	<1	0
	Magnesium	ppm	ASTM D5185m		0	2	0
	Calcium	ppm	ASTM D5185m		1	2	0
	Phosphorus	ppm	ASTM D5185m		441	446	558
	Zinc	ppm	ASTM D5185m		6	2	5
	Sulfur	ppm	ASTM D5185m		615	524	650
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.26		0.24	0.23
	Visc @ 40°C	cSt	ASTM D445	15 36		48.1	45.0







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06155018

: WC0914015 Unique Number : 10990441

Received : 19 Apr 2024 **Tested** Diagnosed

: 24 Apr 2024

: 24 Apr 2024 - Jonathan Hester

OSCEOLA, IA US 50213 Contact: WADE MYERS wlmyers@hormel.com T: (641)342-8043

OSCEOLA FOODS (HORMEL)

1027 WARREN AVE

F: (641)342-8047

Test Package : IND 2 (Additional Tests: KF) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)