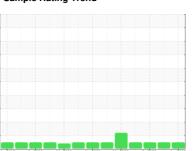


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



SUGAR WAREHOUSE (S/N F13541496233)

Compressor

INGERSOLL-RAND ULTRA FG (5 GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

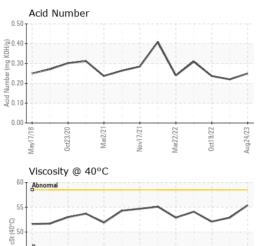
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		May2018	Oct2020 Mar2021	Nov2021 Mar2022 Oct2022	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0735884	WC0754363	WC0705506
Sample Date		Client Info		24 Aug 2023	28 Dec 2022	19 Oct 2022
Machine Age	hrs	Client Info		432	14779	13143
Oil Age	hrs	Client Info		4463	6281	5645
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
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		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	2	1
Calcium	ppm	ASTM D5185m		37	70	72
Phosphorus	ppm	ASTM D5185m		276	326	356
Zinc	ppm	ASTM D5185m		0	2	<1
Sulfur	ppm	ASTM D5185m		567	616	805
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	0
Sodium	ppm	ASTM D5185m		43	22	20
Potassium	ppm	ASTM D5185m	>20	1	4	3
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.22	0.237
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	LIGHT	VLITE
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	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG



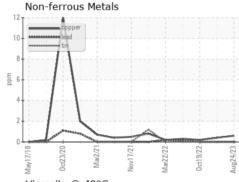
45

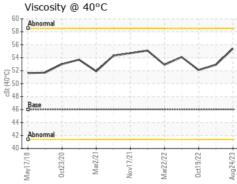
OIL ANALYSIS REPORT

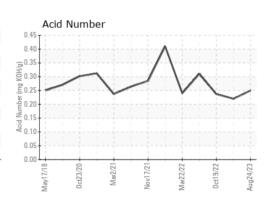


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.0	55.4	52.9	52.1
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

GRAPHS Ferrous Alloys 10











Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : IND 2

: WC0735884 : 05961314 : 10662527

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Sep 2023 Diagnosed : 27 Sep 2023

Diagnostician : Doug Bogart

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)

Contact: DEWEY THEIN

SOUTHERN MN BEET SUGAR

83550 COUNTY ROAD 21

T: (320)329-3154 F: (320)329-3154

RENVILLE, MN

US 56284