

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

STARLINE REGIONAL (S/N 5117)

Component Reciprocating Compressor Fluid

ROYCO RED (50 GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

🔺 Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

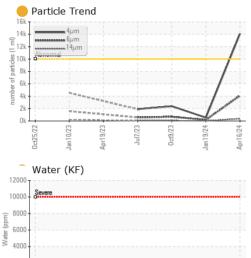
Fluid Condition

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

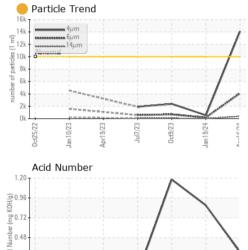
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0869394	WC0869395	WC0749114
Sample Date		Client Info		16 Apr 2024	19 Jan 2024	09 Oct 2023
Machine Age	hrs	Client Info		0	200	200
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	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		ء <1	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	0	0
		ASTM D5185m		0	0	0
Lead	ppm		>25	-	12	1
Copper	ppm	ASTM D5185m		<u> </u>		
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		2	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		162	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		3	0	4
Calcium	ppm	ASTM D5185m		10	0	0
Phosphorus	ppm	ASTM D5185m		496	925	1412
Zinc	ppm	ASTM D5185m		125	629	1228
Sulfur	ppm	ASTM D5185m		553	1340	2622
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	4
Sodium	ppm	ASTM D5185m		5	0	<1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.1	NEG	NEG	0.009
ppm Water	ppm	ASTM D6304	>1000			94.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	14077	553	2383
Particles >6µm		ASTM D7647	>2500	<mark> </mark> 4095	180	687
Particles >14µm		ASTM D7647	>320	9357	26	53
Particles >21µm		ASTM D7647	>80	0102	8	12
		ASTM D7647	>20	8	0	1
				1	0	1
Particles >38µm		ASTM D7647	>4		0	
Particles >38µm Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>4 >20/18/15	e 21/19/16	16/15/12	18/17/13
Particles >38µm Particles >71µm	TION			-		

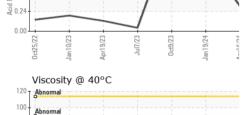


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Certificate 12367

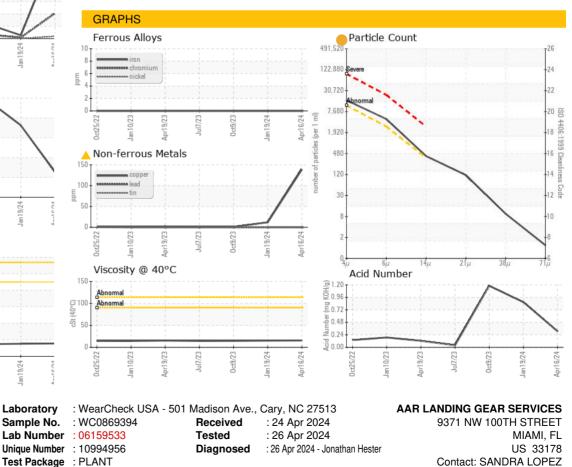


cSt (40°C)

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	LIGHT	NONE	NONE
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
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		15.5	15.2	14.6
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						•



Bottom



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/Location: SANDRA LOPEZ - AARMIAWC

T: (305)887-4027

F: (305)887-6930

sandra.lopez@aarcorp.com