

OIL ANALYSIS REPORT

Sample Rating Trend



TECO WESTING HOUSE PUMP 1006

Component

Rotary Compressor

SHELL MORLINA OIL 150 (6 GAL)

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Annual oil sampling test)

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

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

		Sep2008 Feb	2013 Sep2014 Jun2017	Jun2018 Jun2019 May2021 May20	22 Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0701219	WC0701230	WC0361078
Sample Date		Client Info		23 Aug 2023	11 May 2022	12 May 2021
Machine Age	yrs	Client Info		20	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>70	0	0	0
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)		0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>3	0	0	0
Lead	ppm	ASTM D5185(m)	>4	0	<1	0
Copper	ppm	ASTM D5185(m)	>20	4	6	<1
Tin	ppm	ASTM D5185(m)	>3	0	0	0
Antimony	ppm	ASTM D5185(m)		0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	0	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	0	<1
Calcium	ppm	ASTM D5185(m)		<1	0	<1
Phosphorus	ppm	ASTM D5185(m)		330	332	302
Zinc	ppm	ASTM D5185(m)		6	7	3
Sulfur	ppm	ASTM D5185(m)		601	626	679
Lithium	ppm	ASTM D5185(m)		<1	0	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>45	1	4	1
Sodium	ppm	ASTM D5185(m)		0	0	<1
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Water	%	ASTM D6304*	>0.6	0.002	0.001	
ppm Water	ppm	ASTM D6304*		19.1	7.0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	1/011/	40714 0074				

0.76

0.70

Acid Number (AN)

mg KOH/g ASTM D974* 0.16

0.67



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CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WC0701219 : 02578497 : 5631557

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

: 25 Aug 2023 : 29 Aug 2023 Diagnosed

Diagnostician : Kevin Marson Test Package : IND 2 (Additional Tests: KF, TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131.

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