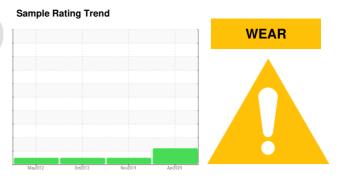


OIL ANALYSIS REPORT

CENTRE PLANT/ROUTE #6 DODGE N/A 102335 LE-15 Elevator Reducer

Gear Reducer

ESSO SPARTAN EP 220 (15 LTR)



DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

Contamination

Calcium and/or magnesium levels higher than normal indicating possible lime contamination, advise investigate.

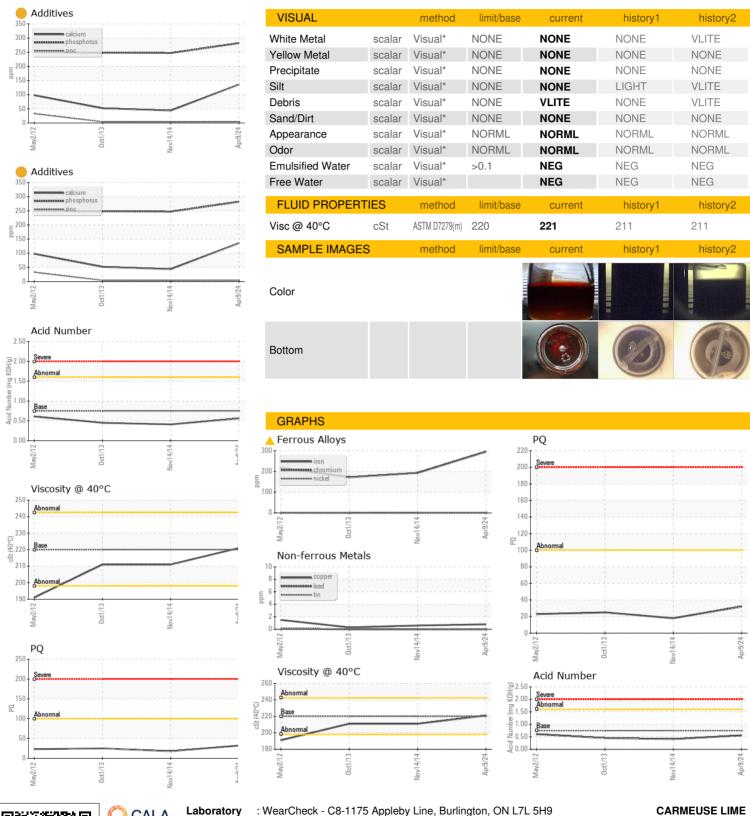
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP0000944	WC	WC892131
Sample Date		Client Info		09 Apr 2024	14 Nov 2014	01 Oct 2013
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		32	18	25
Iron	ppm	ASTM D5185(m)	>150	<u>^</u> 295	193	172
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>100	0	0	0
Copper	ppm	ASTM D5185(m)	>50	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	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	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	.5	15	16	13
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	<1
Manganese	ppm	ASTM D5185(m)		2	2	1
Magnesium	ppm	ASTM D5185(m)	0	2	1	2
Calcium	ppm	ASTM D5185(m)	1.7	<u> </u>	44	52
Phosphorus	ppm	ASTM D5185(m)	250	282	247	248
Zinc	ppm	ASTM D5185(m)	.3	5	4	4
Sulfur	ppm	ASTM D5185(m)		13168	8928	9862
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
		method	limit/base	current	history1	history2
CONTAMINANTS	,					
CONTAMINANTS Silicon	ppm	ASTM D5185(m)	>50	10	13	11
			>50	10 <1	13 0	11 <1
Silicon	ppm	ASTM D5185(m)	>50 >20			
Silicon Sodium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)		<1	0	<1



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: PP0000944

: 02628032 Unique Number : 5761164

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Received **Tested** Diagnosed

: 10 Apr 2024 : 10 Apr 2024 : 10 Apr 2024 - Kevin Marson

374681 OXFORD COUNTY ROAD 6,, P.O. BOX 190 INGERSOLL, ON

CA N5C 3K5 Contact: Jeff Geddes jeff.geddes@carmeusena.com

T: (519)423-6283 F: (519)423-6568

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.

Test Package : IND 2 (Additional Tests: TAN Man)