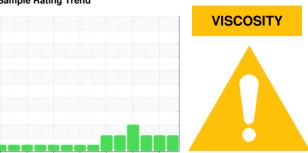


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

034-M-010 Medium Fiber Thickener

Gearbox

ESSO SPARTAN EP 460 (72 LTR)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as ESSO SPARTAN EP 460, however, a fluid match indicates that this fluid is ISO 220 Synthetic (PAG) Gear Oil. Please confirm the oil type and grade on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

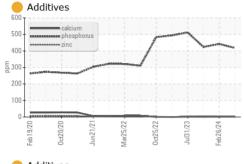
Fluid Condition

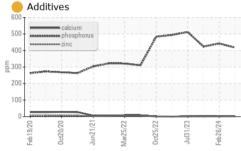
Viscosity of sample indicates oil is within ISO 220 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

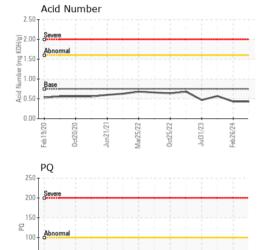
SAMPLE INFORM	ΛΑΤΙΩΝΙ	method	limit/base	current	history1	history2
	MATION	Client Info	IIIIII Dase			WC0879777
Sample Number				WC0962290 03 Jul 2024	WC0913382	
Sample Date	bro	Client Info			26 Feb 2024	08 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Changed	hrs	Client Info		N/A	N/A	N/A
Oil Changed		Client into		ABNORMAL	ABNORMAL	ABNORMAL
Sample Status				ADINUNIAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>200	3	2	2
Chromium	ppm	ASTM D5185(m)	>15	0	0	0
Nickel	ppm	ASTM D5185(m)	>15	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>100	0	<1	0
Copper	ppm	ASTM D5185(m)	>200	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>25	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	0	0	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)	.8	4	4	4
Barium	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm					
	ppiii	ASTM D5185(m)	.4	0	0	0
Manganese	ppm	ASTM D5185(m) ASTM D5185(m)	.4	0	0	0
Manganese Magnesium		. ,	.7			
•	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	.7	0	0 <1	0
Magnesium Calcium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	.7 17	0 0 2	0 <1 2	0 0 2
Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	.7 17 250	0 0 2 • 418	0 <1 2 442	0 0 2 424
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	.7 17 250	0 0 2 418 2	0 <1 2 442 2	0 0 2 424
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	.7 17 250	0 0 2 418 2 1588	0 <1 2 442 2 1764	0 0 2 424 1 1607
Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	.7 17 250 5.5	0 0 2 418 2 1588 <1	0 <1 2 442 2 1764 <1	0 0 2 424 1 1607 <1
Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) METHOD	.7 17 250 5.5	0 0 2 418 2 1588 <1	0 <1 2 442 2 1764 <1 history1	0 0 2 424 1 1607 <1
Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m)	.7 17 250 5.5	0 0 2 418 2 1588 <1 current	0 <1 2 442 2 1764 <1 history1 17	0 0 2 424 1 1607 <1 history2
Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) Method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	.7 17 250 5.5 limit/base >50	0 0 2 418 2 1588 <1 current 19 <1	0 <1 2 442 2 1764 <1 history1 17 <1	0 0 2 424 1 1607 <1 history2

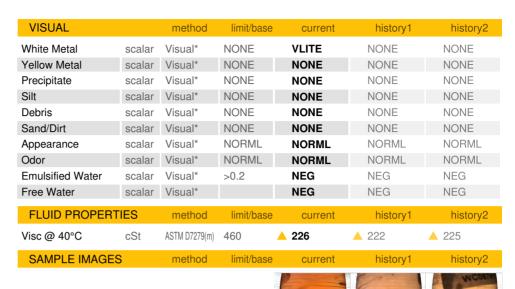


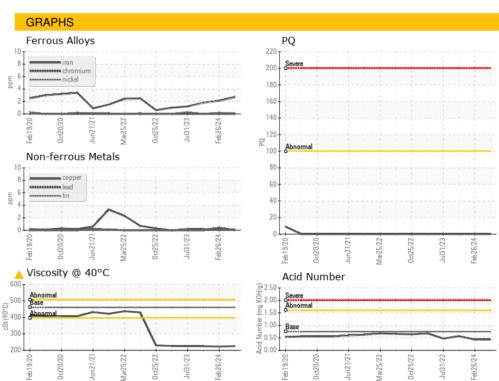
OIL ANALYSIS REPORT















Laboratory

Report Id: NEWSCA [WCAMIS] 02645619 (Generated: 07/08/2024 09:39:41) Rev: 1

Jul31/23

Laboratory Sample No. Lab Number

: WC0962290

: 02645619

Unique Number : 5803158 Test Package : IND 2

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

Received : 04 Jul 2024 Tested : 08 Jul 2024

Diagnosed : 08 Jul 2024 - Kevin Marson

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

Color

Bottom

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.

New Forest Paper Mill

333 Progress Avenue Scarborough, ON CA M1P 2Z7 Contact: Nayan Patel nayan_patel@atlantic.ca

T: (519)991-8496 F: (416)298-5386

Submitted By: Bob Melanson