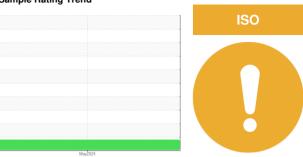


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **BS02 OIL TOTE 12 - HF 46**

New (Unused) Oil

{not provided} (--- GAL)

### Recommendation

This is a baseline read-out on the submitted sample.

### Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

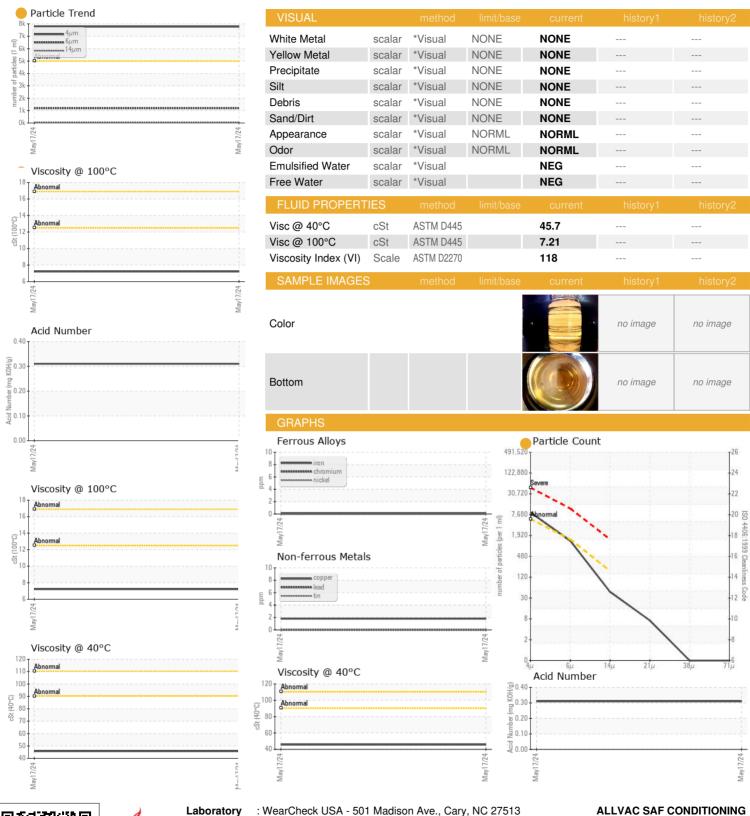
				May2024		
SAMPLE INFO	DMATION	m other d	limit/bass	al incorpt	hiotomyt	hiotomyO
	RIVIATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920348		
Sample Date		Client Info		17 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	<1		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>5	2		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		16		
Phosphorus	ppm	ASTM D5185m		228		
Zinc	ppm	ASTM D5185m		230		
Sulfur	ppm	ASTM D5185m		799		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<b>7774</b>		
Particles >6µm		ASTM D7647	>1300	1181		
Particles >14μm		ASTM D7647	>160	40		
Particles >21μm		ASTM D7647	>40	6		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/17/12</b>		
FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
Aoid Number (AN	I) ma //OLL/a	ACTM DOOM		0.24		

Acid Number (AN)

mg KOH/g ASTM D8045



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WC0920348 Lab Number : 06184268

Unique Number : 11035594

Received : 20 May 2024 **Tested** : 29 May 2024 Diagnosed

: 29 May 2024 - Jonathan Hester

Test Package : IND 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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)

3750 ALLOY WAY

MONROE, NC US 28110 Contact: MIKE TODD

mike.todd@atimetals.com

T: F: