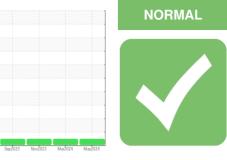


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

015-R0015 Component Diesel Engine

Fluid SCHAEFFER SUPREME 7000 (5 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. (Customer Sample Comment: Engine Oil Sample @ 3834 hours.)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

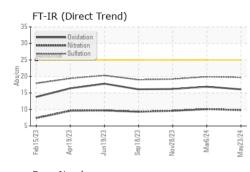
Fluid Condition

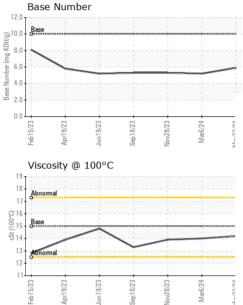
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0868292	WC0903837	WC0868375
Sample Date		Client Info		23 May 2024	06 Mar 2024	28 Nov 2023
Machine Age	hrs	Client Info		3834	3331	2823
Oil Age	hrs	Client Info		3331	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method	,	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185m	>100	4	8	5
Chromium	ppm ppm	ASTM D5185m	>20	4	<1	0
Nickel		ASTM D5185m	>20	0 <1	0	0
Titanium	ppm ppm	ASTM D5185m	>4	0	<1	0
Silver		ASTM D5185m	>3	0	<1	0
Aluminum	ppm ppm	ASTM D5185m	>20	5	5	3
Lead	ppm	ASTM D5185m	>40	ر <1	2	0
Copper	ppm	ASTM D5185m	>330	<1	<1	1
Tin	ppm	ASTM D5185m	>15	<1	1	0
Vanadium	ppm	ASTM D5185m	>15	<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
	ppin		11 11 11			-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		66	55	55
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	50	73	65	63
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	1000	18	19	20
Calcium	ppm	ASTM D5185m	1400	2194	2193	1692
Phosphorus	ppm	ASTM D5185m	985	1012	1058	880
Zinc	ppm	ASTM D5185m	1060	1182	1279	1042
Sulfur	ppm	ASTM D5185m	4000	5524	6045	4009
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	7	9
Sodium	ppm	ASTM D5185m		2	2	<1
Potassium	ppm	ASTM D5185m	>20	3	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	9.8	10.1	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	19.9	19.2
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	16.9	16.2
Base Number (BN)	mg KOH/g	ASTM D2896	10	5.9	5.2	5.3



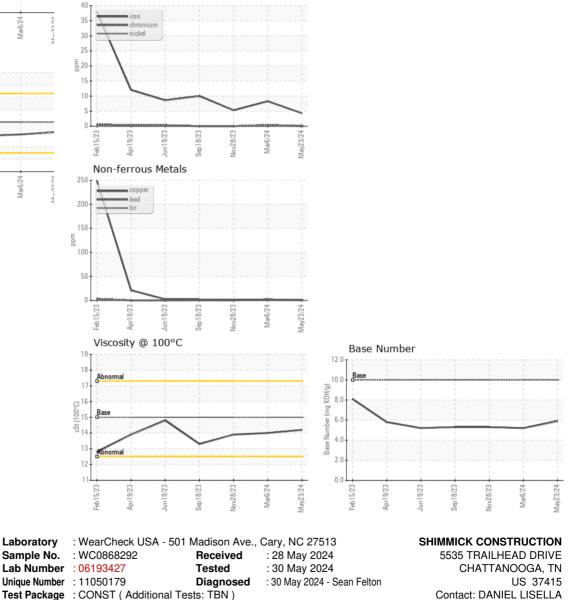
OIL ANALYSIS REPORT





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	NONE	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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	ΓIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15	14.2	14.0	13.9
CDADUS						

Ferrous Alloys



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)

Certificate 12367

Submitted By: TECH TECHNICIAN

daniel.lisella@shimmick.com

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