

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

WESTERN STAR Blue/White Western Star

Diesel Engine

DIESEL ENGINE OIL SAE 40 (43 LTR)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

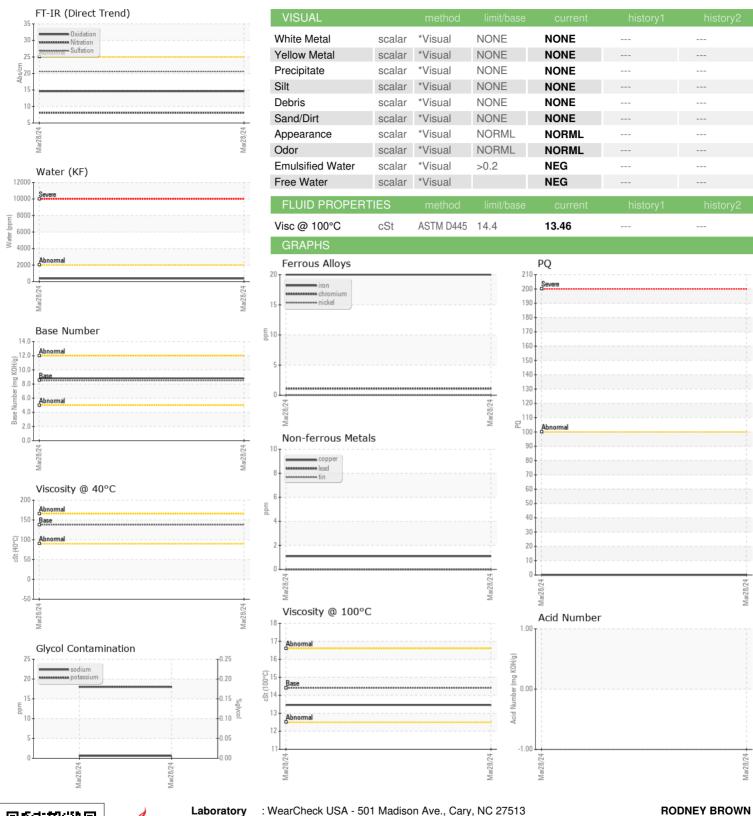
Fluid Condition

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

				Mar2024		
SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0004117		
Sample Date		Client Info		28 Mar 2024		
Machine Age	mls	Client Info		155607		
Oil Age	mls	Client Info		155607		
Oil Changed	11113	Client Info		Changed		
Sample Status		Client inio		NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	7		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	1		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	12		
Barium	ppm	ASTM D5185m	10	<1		
Molybdenum	ppm	ASTM D5185m	100	64		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	861		
Calcium	ppm	ASTM D5185m	3000	1048		
Phosphorus	ppm	ASTM D5185m	1150	966		
Zinc	ppm	ASTM D5185m	1350	1159		
Sulfur	ppm	ASTM D5185m	4250	3128		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>216	<1		
Potassium	ppm	ASTM D5185m	>20	18		
Water	%	ASTM D6304	>0.2	0.036		
ppm Water	ppm	ASTM D6304	>2000	366		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.1		
Nitration	Abs/cm	*ASTM D7624	>20	8.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.8		
(274)	99					



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: SBP0004117 Lab Number : 06145864 Unique Number : 10975942

Received : 11 Apr 2024 **Tested**

: 18 Apr 2024 Diagnosed

: 18 Apr 2024 - Jonathan Hester Test Package: PLANT (Additional Tests: FT-IR, Glycol, KV100, TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

US 68770 Contact: TRAVIS GARRISON garrison092012@gmail.com T:

 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)

Report Id: RODPON [WUSCAR] 06145864 (Generated: 04/18/2024 08:09:38) Rev: 1

Submitted By: TRAVIS GARRISON

F:

8834 587TH AVE

PONCA, NE