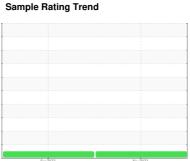


# **OIL ANALYSIS REPORT**







# **Action Newark** PETERBILT 2404

Component **Diesel Engine** 

GIBRALIAR	15W/40	SUPER	S-3 L	-X (11	)

### 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

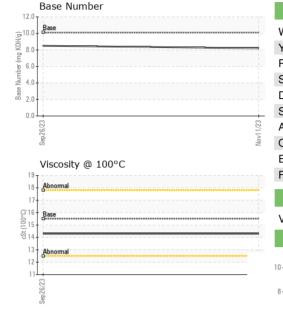
### **Fluid Condition**

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

			Sep2023	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0831038	WC0831028	
Sample Date		Client Info		11 Nov 2023	26 Sep 2023	
Machine Age	hrs	Client Info		14171	14171	
Oil Age	hrs	Client Info		14171	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	4	4	
Chromium	ppm	ASTM D5185m	>4	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>25	1	2	
Lead	ppm	ASTM D5185m	>45	<1	<1	
Copper	ppm	ASTM D5185m	>85	<1	<1	
Tin	ppm	ASTM D5185m	>4	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		12	11	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m	66	59	63	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	1000	742	743	
Calcium	ppm	ASTM D5185m	1050	1301	1171	
Phosphorus	ppm	ASTM D5185m	1150	1020	994	
Zinc	ppm	ASTM D5185m	1270	1240	1195	
Sulfur	ppm	ASTM D5185m		3048	3755	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	4	3	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	2	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8	18.1	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	13.2	
Base Number (BN)	mg KOH/g	ASTM D2896		8.2	8.5	
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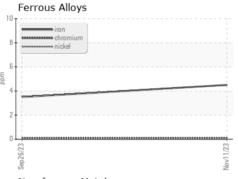


## **OIL ANALYSIS REPORT**

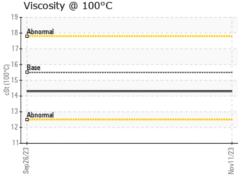


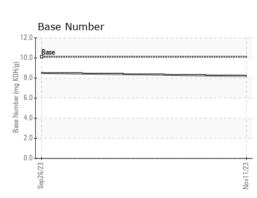
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
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FLUID PROPERTIES		metnoa	ilmit/base	current	nistory i	nistory2	
	Visc @ 100°C	cSt	ASTM D445	15.5	14.3	14.3	



10	Non-ferrous Metals	
8	copper	
E 6		
udd 4		
2	-	
0		23
	Sep.26/23	Nov11/23
	Viscosity @ 100°C	









Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10753044

: WC0831038 : 06013900 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Nov 2023 Diagnosed Diagnostician : Wes Davis

: 22 Nov 2023

**INTERSTATE WASTE-NEWARK** 110 EVERGREEN AVE, BAY 3 NEWARK, NJ

US 07114 Contact: Robert Witynski RWitynski@interstatewaste.com

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)

Report Id: INT110NEW [WUSCAR] 06013900 (Generated: 11/22/2023 10:31:58) Rev: 1

Submitted By: Richie Keegan

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