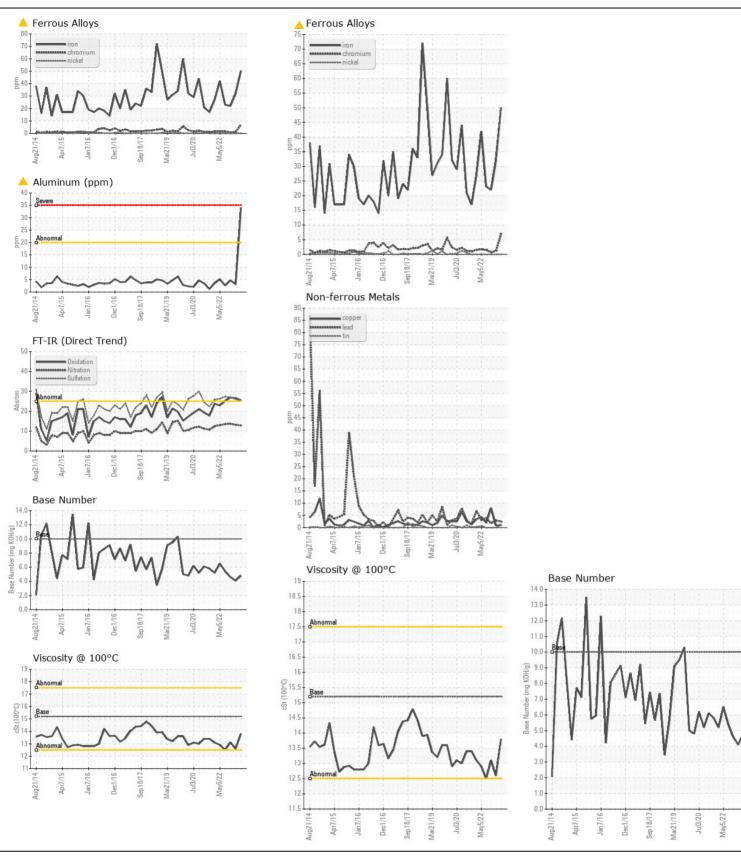
WEAR CONTAMINATION **FLUID CONDITION**

ABNORMAL NORMAL **NORMAL**

Machine Id

PETERBILT 386 ORS84 (S/N 170575) Component Diesel Engine

Test	WC07930t 05 May 20t 1036846 21441 21441 Changed Changed NORMA 22 <1 0 0 0 5 2 8 0 NONE
Machine Age mls Client Info 1077501 1057219	1036846 21441 21441 Changed NORMA 22 <1 0 0 5 2 8 0 NONE
Machine Age mis Client Info 20282 20373 Filter Age mis Client Info 20282 20373 2016 Changed Client Info 20282 20373 2016 Changed Client Info Changed Client Info Changed Changed Client Info Changed	21441 21441 Changed Changed NORMA 22 <1 0 0 0 5 2 8 0 0 NONE
Coli Age mls Client Info 20282 20373 Filter Age mls Client Info 20282 20373 Coli Changed Client Info Changed Client Info Changed	21441 Changed Changed NORMA 22 <1 0 0 0 5 2 8 0 0 NONE
Oil Changed Filter Changed Client Info Changed Changed Changed Changed Changed Rample Status Client Info Changed Changed Rample Status Client Info Changed Rample Status Changed Rample Status Client Info Changed Rample Status	Changed Changed NORMA 22 <1 0 0 5 2 8 0 NONE
Filter Changed Sample Status	Changed NORMA 22 <1 0 0 5 2 8 0 NONE
Variable	22 <1 0 0 0 5 2 8 0 NONE
Iron	22 <1 0 0 0 0 5 2 8 0 NONE
Chromium ppm ASTM D5185m >5	<1 0 0 0 5 2 8 0 0 NONE
Chromium ppm ASTM D5185m >5	0 0 0 5 2 8 0 0 NONE
Nickel ppm ASTM D5185m >2 0 0 0	0 0 5 2 8 0 0 NONE
Silver	0 5 2 8 0 0 NONE
Aluminum ppm ASTM D5185m >20 ▲ 34 ■ 3 Lead ppm ASTM D5185m >150 2 ■ 3 Copper ppm ASTM D5185m >90 1 <1 Tin ppm ASTM D5185m >5 <1 0 Vanadium ppm ASTM D5185m >5 <1 0 Vanadium ppm ASTM D5185m >5 <1 0 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	5 2 8 0 0 NONE
Lead ppm ASTM D5185m >150 2 3	2 8 0 0 NONE
Copper	8 0 0 NONE
Tin ppm ASTM D5185m >5 <1 0 Vanadium ppm ASTM D5185m 0 0 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE *Visual NONE *Visual NONE NONE *Visual NONE NONE *Visual NONE NONE *Visual NONE NONE *Visual NONE	0 0 None
Vanadium ppm ASTM D5185m 0 0 0 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE	0 NONE
White Metal Yellow Metal scalar *Visual NONE NONE NO 1 20 1 20 1 2 1 2 1 2 1 2 1 0 1 0 2	NONE
Yellow Metal scalar *Visual NONE NONE CONTAMINATION Silicon ppm ASTM D5185m >35 9 7 Potassium ppm ASTM D5185m >20 <1	
Silicon ppm ASTM D5185m >35 9 7	
Potassium ppm ASTM D5185m >20 <1 2	NONE
Potassium ppm ASTM D5185m >20 <1 2	4
Fuel WC Method VMC Method Solution >3.0 <1.0 <1.0 Water WC Method Solution >0.2 NEG	<1
Water WC Method >0.2 NEG NEG Glycol WC Method NEG NEG Soot % % *ASTM D7844 >7.5 0.9 0.8 Nitration Abs/cm *ASTM D7624 >20 12.8 13.1	<1.0
Soot % % *ASTM D7844 >7.5 0.9 0.8 Nitration Abs/cm *ASTM D7624 >20 12.8 13.1	NEG
Nitration Abs/cm *ASTM D7624 >20 12.8 13.1	NEG
	0.9
Sulfation Abs/.1mm *ASTM D7415 >30 25.7 26.8	13.6
	26.9
Silt scalar *Visual NONE NONE NONE	NONE
Debrisscalar*VisualNONENONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE	NONE
Appearance scalar *Visual NORML NORML NORML	NORM
Odor scalar *Visual NORML NORML NORML NORML	NORN
Emulsified Water scalar *Visual >0.2 NEG NEG	NEG
FLUID CONDITION Sodium ppm ASTM D5185m 4 4	4
Boron ppm ASTM D5185m 2.9 28 18	22
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service. Barium ppm ASTM D5185m 0.1 0	0
Molybdenum ppm ASTM D5185m 0.0 63 75	68
Manganese ppm ASTM D5185m 1 0	0
Magnesium ppm ASTM D5185m 18 821 685	884
Calcium ppm ASTM D5185m 2936 1312 1285	1383
Phosphorus ppm ASTM D5185m 998 808 777	792
Zinc ppm ASTM D5185m 1095 933 907	
Sulfur ppm ASTM D5185m 5469 2794 2680	996
Oxidation	996 2794
Base Number (BN) mg KOH/g ASTM D2896 10.0 4.8 4.1	996 2794 26.9
Visc @ 100°C cSt ASTM D445 15.2 13.8 12.6	996 2794







Certificate L2367

Laboratory Sample No.

Lab Number : 06187058

Unique Number : 11043810

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0885563

Tested Diagnosed

Received

: 21 May 2024

: 23 May 2024

: 23 May 2024 - Sean Felton

Test Package : CONST (Additional Tests: TBN) 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)

TULLY CONSTRUCTION BOULEVARD

127-50 NORTHERN BLVD

FLUSHING, NY US 11368

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