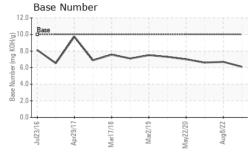
WEAR CONTAMINATION **FLUID CONDITION**

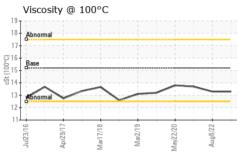
NORMAL NORMAL NORMAL

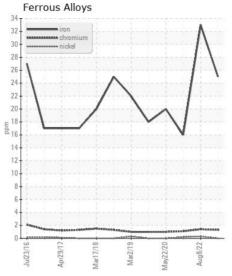
PETERBILT 567 X43 (S/N 308246)

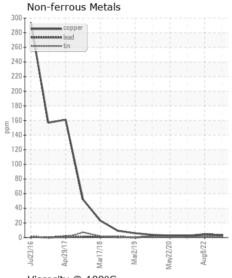
Component Diesel Engine

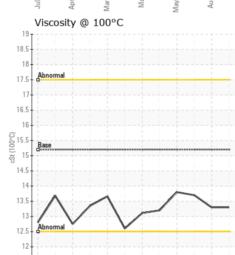
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0849048	WC0731569	WC0486373
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		22 Aug 2023	08 Aug 2022	06 Jan 202
	Machine Age	hrs	Client Info		11597	10601	9607
	Oil Age	hrs	Client Info		996	994	1036
	Filter Age	hrs	Client Info		996	994	1036
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m		25	33	16
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1	1	1
	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m		9	14	4
	Lead	ppm	ASTM D5185m		3	4	<1
	Copper	ppm	ASTM D5185m		3	5	2
	Tin	ppm	ASTM D5185m	>5	<1	2	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>35	7	6	6
CONTAMINATION	Potassium	ppm	ASTM D5185m		39	<u>△</u> 53	9
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>75	0.7	1.1	1.4
	Nitration	Abs/cm	*ASTM D7624	>20	11.7	12.3	11.2
	Sulfation	Abs/.1mm	*ASTM D7415		22.9	26.3	24.9
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	2	2
The DN recult indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	2.9	31	22	16
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	0.1	2	0	<1
	Molybdenum	ppm	ASTM D5185m	0.0	64	23	14
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	18	688	156	151
	Calcium	ppm	ASTM D5185m	2936	1455	1880	2272
	Phosphorus	ppm	ASTM D5185m	998	732	763	914
	Zinc	ppm	ASTM D5185m		977	940	1029
	Sulfur	ppm	ASTM D5185m	5469	2977	2989	2925
	Oxidation	Abs/.1mm	*ASTM D7414		20.4	17.8	16
	Base Number (BN)	mg KOH/g	ASTM D2896	10.0	6.1	6.7	6.6
	Visc @ 100°C	cSt		15.2	13.3	13.3	13.7

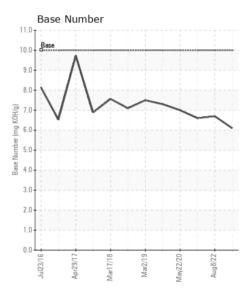














Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 05938709

: WC0849048

11.5

Tested Unique Number : 10629321 Test Package : CONST (Additional Tests: TBN)

Received : 30 Aug 2023 : 31 Aug 2023 Diagnosed

May22/20

: 31 Aug 2023 - Doug Bogart

TULLY CONSTRUCTION BOULEVARD 127-50 NORTHERN BLVD

FLUSHING, NY US 11368

Contact: MATT FLYNN Mflynn@tullyconstruction.com T: (917)299-4960

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)

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