

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id PETERBILT VS 9744 Component

Diesel Engine Fluid SHELL ROTELLA T 15W40 (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

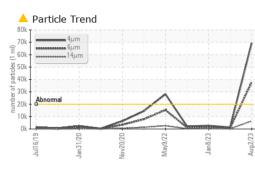
Fluid Condition

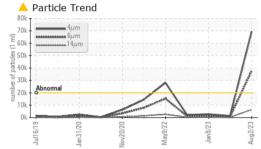
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

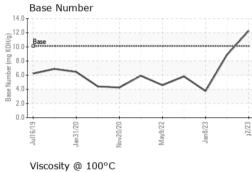
Sample Date Client Info 02 Aug 2023 07 Mar 2023 08 Jan 2023 Machine Age hrs Client Info 6606 5937 5474 Oil Age hrs Client Info 2736 2070 1617 Oil Changed Client Info Changed Changed NoRMAL ABNORMAL ABNORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0							
Sample Number Client Info WC0793353 WC0779700 WC072223 MC072223 MC072223 MC0733553 MC0779700 WC072223 MC072223 MC0739700 WC0722353 MC0739700 WC0722353 MC0739700 WC0722353 MC0739700 MC0722353 MC0739700 MC0722353 MC0739700 MC0722353 MC0739700 MC0722353 MC0739700 MC0723253 MC0739700 MC0723253 MC0739700 MC0723253 MC0739700 MC0723253 MC0739700 MC0723253 MC0739700 MC0723251 MC0739700 MC0723251 MC0739700 MC0739700 MC0739700 MC0723251 MC0739700 MC0730700 <			Jul2019	Jan2020 Nov2020	May2022 Jan2023	Aug2023	
Sample Date Client Info 02 Aug 2023 07 Mar 2023 08 Jan 2023 Machine Age hrs Client Info 6606 5937 5474 Oil Age hrs Client Info 2736 2070 1617 Oil Changed Client Info Changed Changed NoRMAL ABNORMAL ABNORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method 55 <1.0	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 6606 5937 5474 Oil Age hrs Client Info 2736 2070 1617 Oil Changed Client Info Changed ABNORMAL Not Changed Not Changed Sample Status Imit/base current history1 Not Changed CONTAMINATION method imit/base current history1 history2 Fuel WC Method >5 <1.0	Sample Number		Client Info		WC0793353	WC0779700	WC0723261
Oil AgehrsClient Info273620701617Oil ChangedClient InfoChangedNot ChangedNot ChangedSample StatusImit basecurrenthistory1history2FuelWC Method>5<1.0	Sample Date		Client Info		02 Aug 2023	07 Mar 2023	08 Jan 2023
Oil Changed Sample Status Client Info Changed ABNORMAL Changed NORMAL Not Changed ABNORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Glycol WC Method >5 <1.0 <1.0 <1.0 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >110 13 15 49 Chromium ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Gopper ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >4 2 11 1 Vanadium ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >4 1 1 1 Vanadium ppm ASTM D5185m 24 4 1 1 Vanadium ppm ASTM D5185m<	Machine Age	hrs	Client Info		6606	5937	5474
Sample Status Image: Status ABNORMAL NORMAL ABNORMAL ABNORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0	Oil Age	hrs	Client Info		2736	2070	1617
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0	Oil Changed		Client Info		•	Changed	Not Changd
Fuel WC Method >5 <1.0 <1.0 <1.0 Glycol WC Method WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >110 13 15 49 Chromium ppm ASTM D5185m >2 0 0 0 Nickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >22 0 0 0 Aluminum ppm ASTM D5185m >25 2 4 8 Lead ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >45 <1	Sample Status				ABNORMAL	NORMAL	ABNORMAL
Open of the method NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >110 13 15 49 Chromium ppm ASTM D5185m >4 <1	CONTAMINATION	J	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >110 13 15 49 Chromium ppm ASTM D5185m >4 <1	Fuel		WC Method	>5	<1.0	<1.0	<1.0
Iron ppm ASTM D5185m >110 13 15 49 Chromium ppm ASTM D5185m >4 <1	Glycol		WC Method		NEG	NEG	NEG
Ppm ASTM D5185m >4 <1 <1 2 Nickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >25 2 4 8 Lead ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >45 2 1 1 Vanadium ppm ASTM D5185m >4 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >2 0 0 0 Titanium ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >25 2 4 8 Lead ppm ASTM D5185m >25 2 4 8 Lead ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >45 2 6 7 Vanadium ppm ASTM D5185m >4 <1	Iron	ppm	ASTM D5185m	>110	13	15	49
Intanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >25 2 4 8 Lead ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >4 <1	Chromium	ppm	ASTM D5185m	>4	<1	<1	2
Number ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >25 2 4 8 Lead ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >4 <1	Nickel	ppm	ASTM D5185m	>2	0	0	0
Aluminum ppm ASTM D5185m >25 2 4 8 Lead ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >85 <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >45 2 6 7 Copper ppm ASTM D5185m >85 <1 2 11 Tin ppm ASTM D5185m >4 <1 <1 1 Vanadium ppm ASTM D5185m O 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 316 3 17 19 Barium ppm ASTM D5185m 0.0 0 0 0 Magnesium ppm ASTM D5185m 1.2 60 54 4 Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 206 4467	Silver	ppm	ASTM D5185m	>2	0	0	0
Copper ppm ASTM D5185m >85 <1 2 11 Tin ppm ASTM D5185m >4 <1	Aluminum	ppm	ASTM D5185m	>25	2	4	8
Tin ppm ASTM D5185m >4 <1 <1 1 Vanadium ppm ASTM D5185m >4 <1	Lead	ppm	ASTM D5185m	>45	2	6	7
Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 316 3 17 19 Barium ppm ASTM D5185m 316 3 17 19 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 1.2 60 54 4 Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 30 <t< td=""><td>Copper</td><td>ppm</td><td>ASTM D5185m</td><td>>85</td><td><1</td><td>2</td><td>11</td></t<>	Copper	ppm	ASTM D5185m	>85	<1	2	11
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m31631719BariumppmASTM D5185m0.0000MolybdenumppmASTM D5185m1.260544ManganeseppmASTM D5185m2494070161CalciumppmASTM D5185m2292116113262232PhosphorusppmASTM D5185m10641081926892ZincppmASTM D5185m1160130411171098SulfurppmASTM D5185m496446740534343CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>30546SodiumppmASTM D5185m>206620INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D5184>30.30.20.5NitrationAbs/cm*ASTM D5184>2010.28.611.2	Tin	ppm	ASTM D5185m	>4	<1	<1	1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 316 3 17 19 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 1.2 60 54 4 Manganese ppm ASTM D5185m 1.2 60 54 4 Magnesium ppm ASTM D5185m 1.2 60 54 4 Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >30	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 316 3 17 19 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 1.2 60 54 4 Manganese ppm ASTM D5185m 1.2 60 701 61 Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m <t< td=""><td>Cadmium</td><td>ppm</td><td>ASTM D5185m</td><td></td><td>0</td><td>0</td><td>0</td></t<>	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 1.2 60 54 4 Manganese ppm ASTM D5185m 1.2 60 54 4 Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1064 1081 926 892 Sulfur ppm ASTM D5185m 1064 1081 926 892 Sulfur ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 1.2 60 54 4 Manganese ppm ASTM D5185m 1.2 60 54 4 Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % 'ASTM D7844 <t< td=""><td>Boron</td><td>ppm</td><td>ASTM D5185m</td><td>316</td><td>3</td><td>17</td><td>19</td></t<>	Boron	ppm	ASTM D5185m	316	3	17	19
Manganese ppm ASTM D5185m <1 <1 <1 Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20	Barium	ppm	ASTM D5185m	0.0	0	0	0
Magnesium ppm ASTM D5185m 24 940 701 61 Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % 'ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm 'ASTM D7624	Molybdenum	ppm	ASTM D5185m	1.2	60	54	4
Calcium ppm ASTM D5185m 2292 1161 1326 2232 Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus ppm ASTM D5185m 1064 1081 926 892 Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Magnesium	ppm	ASTM D5185m	24	940	701	61
Zinc ppm ASTM D5185m 1160 1304 1117 1098 Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Calcium	ppm	ASTM D5185m	2292	1161	1326	2232
Sulfur ppm ASTM D5185m 4996 4467 4053 4343 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Phosphorus	ppm	ASTM D5185m	1064	1081	926	892
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m >30 5 4 6 Potassium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Zinc	ppm	ASTM D5185m	1160	1304	1117	1098
Silicon ppm ASTM D5185m >30 5 4 6 Sodium ppm ASTM D5185m 4 1 7 Potassium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Sulfur	ppm	ASTM D5185m	4996	4467	4053	4343
Sodium ppm ASTM D5185m 4 1 7 Potassium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 6 6 20 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Silicon	ppm	ASTM D5185m	>30	5	4	6
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Sodium	ppm	ASTM D5185m		4	1	7
Soot % % *ASTM D7844 >3 0.3 0.2 0.5 Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	Potassium	ppm	ASTM D5185m	>20	6	6	20
Nitration Abs/cm *ASTM D7624 >20 10.2 8.6 11.2	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.3	0.2	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	10.2	8.6	11.2
	Sulfation		*ASTM D7415	>30	20.4	20.2	26.4

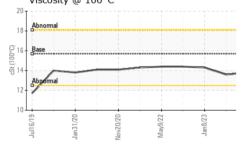


OIL ANALYSIS REPORT



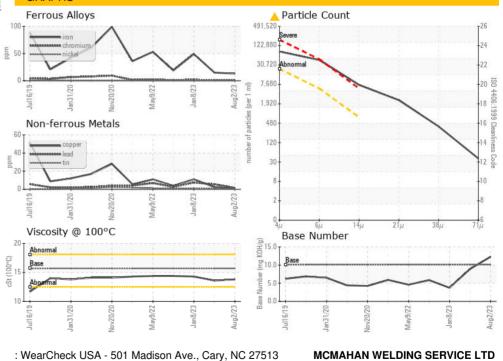






FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	69397	1322	2727
Particles >6µm		ASTM D7647	>5000	37805	720	1486
Particles >14µm		ASTM D7647	>640	6434	123	253
Particles >21µm		ASTM D7647	>160	2167	41	85
Particles >38µm		ASTM D7647	>40	335	6	13
Particles >71µm		ASTM D7647	>10	34	1	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	23/22/20	18/17/14	19/18/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.3	16.5	24.2
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	12.27	8.91	▲ 3.75
VISUAL		method	limit/base	current	history1	history2
VISUAL White Metal	scalar	method *Visual	limit/base	current NONE	history1 NONE	history2 NONE
	scalar scalar				,	
White Metal		*Visual	NONE	NONE	NONE	NONE
White Metal Yellow Metal	scalar	*Visual *Visual	NONE NONE	NONE NONE	NONE NONE	NONE
White Metal Yellow Metal Precipitate	scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE
White Metal Yellow Metal Precipitate Silt	scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE NONE	NONE NONE NONE NONE	NONE NONE NONE NONE
White Metal Yellow Metal Precipitate Silt Debris	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE	NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE	NONE NONE NONE NONE
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE NORE	NONE NONE NONE NONE NONE NONE NORML	NONE NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE NONE NORML
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NONE NORML NORML
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE NORML NORML	NONE NONE NONE NONE NONE NORML NORML NEG	NONE NONE NONE NONE NONE NORML NORML NEG	NONE NONE NONE NONE NORML NORML NEG





: 14 Aug 2023

: 15 Aug 2023

Diagnostician : Doug Bogart

MCMAHAN WELDING SERVICE LTD 269 US HWY 183 SOUTH CUERO, TX US 77954 Contact: BILL FOJTIK info@mcmahanservices.com T: (361)275-0111 GM 106:2012) F: (361)275-0110



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)

Test Package : MOB 2 (Additional Tests: PrtCount)

Received

Diagnosed

: WC0793353

: 05923548

: 10603495

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

Submitted By: Chip Stelpflug

Page 2 of 2