

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id 829097 PETERBILT 320 Component

Fluid TIER ONE 15W0 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

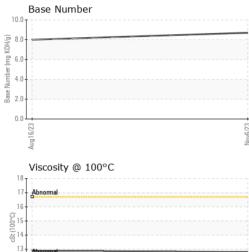
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info GFL0061455 GFL0061462 Sample Date Client Info 16918 16326 Oil Age hrs Client Info 6600 600 Oil Age hrs Client Info 600 600 Sample Status Client Info 600 600 CONTAMINATION method Imit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 WEAR METALS method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 Glycol WC Method >5 <1.0 <1.0 Glycol WC Method >5 <1 <1 Mickel ppm ASTM 05185 >2 0							
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	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	Imit/base >30 >20 Imit/base >3 >20 >3 >20 >3 >20	5 0 56 <1 924 1105 988 1212 2970 current 3 3 1 1 current 0.3 7.7 19.8	7 0 59 <1 917 1132 964 1213 3406 history1 3 4 <1 3 4 <1 0.3 8.0 19.7	 history2 history2 history2
Dase radinder (Dia) iligitority Astraidzoso 0.1 0.0	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7624	limit/base >30 >20 limit/base >3 >20 >30 >30 >30	5 0 56 <1 924 1105 988 1212 2970 current 3 3 3 1 current 0.3 7.7 19.8 current	7 0 59 <1 917 1132 964 1213 3406 history1 3 4 <1 3 4 <1 0.3 8.0 19.7 history1	 history2 history2 history2 history2
	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRAI Oxidation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7624 *ASTM D7415	limit/base >30 >20 limit/base >3 >20 >30 >30 >30	5 0 56 <1 924 1105 988 1212 2970 current 3 3 3 1 current 0.3 7.7 19.8 current 15.4	7 0 59 <1 917 1132 964 1213 3406 history1 3 4 <1 0.3 8.0 19.7 history1 15.5	 history2 history2 history2 history2



12 11 Aug16/23

OIL ANALYSIS REPORT



	VISUAL		method				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	
Monte 22		scalar	*Visual	NORML	NORML	NORML	
2 More	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
	Free Water	scalar	*Visual	20.L	NEG	NEG	
	FLUID PROPI		method	limit/base	current	history1	history2
	Visc @ 100°C	cSt	ASTM D445	mmbase	12.8	12.9	
	GRAPHS	001	A01101-43		12.0	12.5	
	Ferrous Alloys						
	14						
	12 - non nickel						
	10-						
	8- 6						
	6						
	4						
	2						
	Aug 16/23			Nov6/23			
	Aug			No			
	Non-ferrous Meta	als					
		als					
	¹⁰ T	als					
	10 copper	als					
	8 6	als					
	10 copper	als					
	10 8 6 4	als					
	8 6	als					
	10 8 10 10 10 10 10 10 10 10 10 10	als		e.			
	10 8 10 10 10 10 10 10 10 10 10 10	als		lov6/23			
	10 6 6 4 2 0 EC Copper lead 10 10 10 10 10 10 10 10 10 10			Nov6/23			
	10 8 10 10 10 10 10 10 10 10 10 10			Professional Science S	Base Number		
	Viscosity @ 100°			9.0			
	Copper lead tin lead tin Viscosity @ 100° toper lead tin			9.0			
	Copper lead tin lead tin Viscosity @ 100° toper lead tin			9.0			
	Copper lead tin lead tin Viscosity @ 100° toper lead tin			9.0			
	10 6 6 4 2 0 EZer 10 10 10 10 10 10 10 10 10 10			9.0			
	Copper lead			9.0 8.0 9.10 9.60 9.60 9.60 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.			
	10 10 10 10 10 10 10 10 10 10			9.0 8.0 9.7.0 9.6.0 9.6.0 9.6.0 1.0 1.0 1.0 1.0			
	Copper lead			9.0 8.0 (6)7.0 HOY 66.0 UO 60.0 10 4.0 10 4.0 988 2.0 1.0 0.0			
	Copper lead			9.0 8.0 9.7.0 9.6.0 9.6.0 9.6.0 1.0 1.0 1.0 1.0			
Laboratory Sample No. Lab Number	Viscosity @ 100° Viscosity @ 100°	C 501 Madia Received Diagnos	d : 09 ed : 10	9.0 8.0 9.10 9.10 9.10 9.10 9.10 9.10 9.10 9.	Aug 16/23	ironmental - 642- Gra	and Rapids Haulin n Nash Ave S Lowell, N
Sample No. Lab Number Unique Numbe	Uiscosity @ 100° Viscosity @ 100° Viscosity @ 100° Conception Viscosity @ 100° Conception Viscosity @ 100° Conception Viscosity @ 100° Conception Viscosity @ 100° Conception Viscosity @ 100° Conception Conception Viscosity @ 100° Conception Concept	C 501 Madia Received	d : 09 ed : 10	9.0 8.0 9.10 9.10 9.10 9.10 9.10 9.10 9.10 9.	Aug 16/23	ironmental - 642- Gra 5826 Alde	and Rapids Haulin In Nash Ave S Lowell, N US 4933
Sample No. Lab Number	Viscosity @ 100° Viscosity @ 100° Viscosity @ 100° ***********************************	C 501 Madia Received Diagnos	d : 09 ed : 10 tician : We	9.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	Aug 16/23	ironmental - 642- Gra 5826 Alde Conta	and Rapids Haulii in Nash Ave S Lowell, N US 4933 act: Josh Arne ett@gflenv.co

Submitted By: BRITTANY FLINN

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