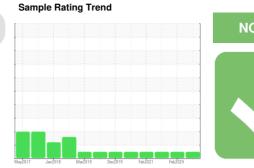


OIL ANALYSIS REPORT

SAMPLE INFORMATION method



NORMAL

VOLVO 26516 (S/N 4V4NC9EH2HN99182)

Diesel Engine

PETRO CANADA DURON SHP 10W30 (37 QTS)

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

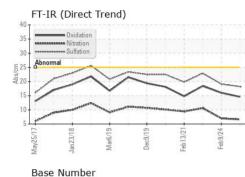
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

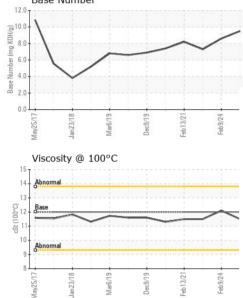
Machine Age mils Client Info 0 0 0 Oil Age mils Client Info 0 0 0 Sample Status Immiliant N/A N/A N/A CONTAMINATION method Immiliant NormAL NormAL CONTAMINATION method immiliant NormAL NormAL VC Method >6.0 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Chromium ppm ASTM DSISm >20 0 <1 <1 Nickel ppm ASTM DSISm >22 0 <1 0 Silver ppm ASTM DSISm >22 0 <1 2 Copper ppm ASTM DSISm >2 0 <1 2 Copper ppm ASTM DSISm >15 0 <1 0 <th></th> <th></th> <th></th> <th></th> <th>Current</th> <th></th> <th></th>					Current		
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Nitration Abs/cm *ASTM D7624 >20 6.6 7.0 10.6 Sulfation Abs/.1mm *ASTM D7415 >30 18.2 19.1 22.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.0 18.4 Base Number (BN) mg KOH/g ASTM D2896 9.5 8.6 7.3	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m	2 0 50 0 950 1050 995 1180 2600 limit/base >25	8 0 56 <1 1006 1233 1056 1261 3871 current 5 3 3 <1	3 0 60 0 830 1173 1067 1267 3469 history1 5 3 3 3	2 0 62 <1 976 1047 981 1182 2315 history2 2 7 3
Sulfation Abs/.1mm *ASTM D7415 >30 18.2 19.1 22.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.0 18.4 Base Number (BN) mg KOH/g ASTM D2896 9.5 8.6 7.3	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m	2 0 50 0 950 1050 995 1180 2600 limit/base >25 -20	8 0 56 <1 1006 1233 1056 1261 3871 current 5 3 3 <1 current	3 0 60 0 830 1173 1067 1267 3469 history1 5 3 3 3 <i>history</i> 1	2 0 62 <1 976 1047 981 1182 2315 history2 2 7 3 3 history2
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.0 18.4 Base Number (BN) mg KOH/g ASTM D2896 9.5 8.6 7.3	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	2 0 50 0 950 1050 995 1180 2600 limit/base >25 >20 limit/base	8 0 56 <1 1006 1233 1056 1261 3871 current 5 3 <1 current 0.2	3 0 60 0 830 1173 1067 1267 3469 history1 5 3 3 3 history1 0.2	2 0 62 <1 976 1047 981 1182 2315 history2 2 7 3 history2 0.7
Oxidation Abs/.1mm *ASTM D7414 >25 14.6 16.0 18.4 Base Number (BN) mg KOH/g ASTM D2896 9.5 8.6 7.3	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m	2 0 50 0 950 1050 995 1180 2600 limit/base >25 20 limit/base >3 >20	8 0 56 <1 1006 1233 1056 1261 3871 <i>current</i> 5 3 3 <1 <i>current</i> 0.2 6.6	3 0 60 0 830 1173 1067 1267 3469 history1 5 3 3 3 history1 0.2 7.0	2 0 62 <1 976 1047 981 1182 2315 history2 2 7 3 history2 0.7 10.6
Base Number (BN) mg KOH/g ASTM D2896 9.5 8.6 7.3	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 TS ppm ppm ppm ppm spm	ASTM D5185m ASTM D5185m	2 0 50 1050 955 1050 995 1180 2600 imit/base >25 imit/base >3 >20	8 0 56 <1 1006 1233 1056 1261 3871 current 5 3 <1 current 0.2 6.6 18.2	3 0 60 0 830 1173 1067 1267 3469 history1 5 3 3 3 3 history1 0.2 7.0 19.1	2 0 62 <1 976 1047 981 1182 2315 history2 2 7 3 <u>history2</u> 0.7 10.6 22.9
	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 TS ppm ppm ppm ppm ppm % Abs/cm Abs/cm	ASTM D5185m ASTM D7844 *ASTM D7624	2 0 0 50 0 950 1050 995 1180 2600 imit/base >25 20 imit/base >3 >20 >30	8 0 56 <1 1006 1233 1056 1261 3871 current 5 3 3 <1 current 0.2 6.6 18.2 current	3 0 60 0 830 1173 1067 1267 3469 history1 5 3 3 3 history1 0.2 7.0 19.1 history1	2 0 62 <1 976 1047 981 1182 2315 history2 2 7 3 history2 0.7 10.6 22.9 history2
	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRAE Oxidation	ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm ppm ppm ppm Abs/1mm	ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7624 *ASTM D7415	2 0 0 50 0 950 1050 995 1180 2600 imit/base >25 20 imit/base >3 >20 >30	8 0 56 <1 1006 1233 1056 1261 3871 current 5 3 3 <1 current 0.2 6.6 18.2 current 14.6	3 0 60 0 830 1173 1067 1267 3469 history1 5 3 3 3 0 history1 0.2 7.0 19.1 19.1 history1 16.0	2 0 62 <1 976 1047 981 1182 2315 history2 2 7 3 bistory2 0.7 10.6 22.9 history2 18.4

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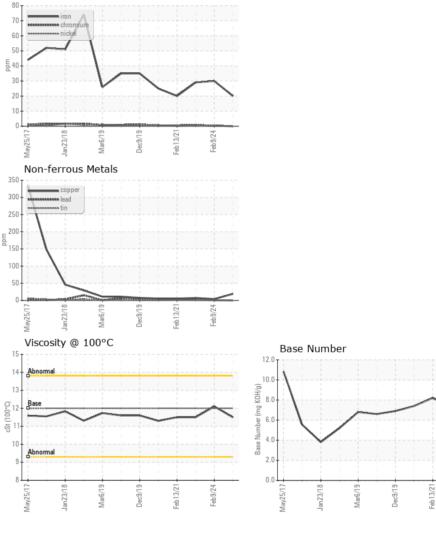
OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.5	12.1	11.5
GRAPHS						







PERDUE FARMS - PRINCE GEORGE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : PCA0116265 Received : 18 Jul 2024 6012 HARDWARE DR Lab Number : 06240109 Tested : 19 Jul 2024 PRINCE GEORGE, VA Unique Number : 11128943 Diagnosed : 19 Jul 2024 - Wes Davis US 23875 Test Package : FLEET Contact: MICHAEL DAVIS Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. MICHAELP.DAVIS@PERDUE.COM * - 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)

Feb 9/24.

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