

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Nashville [Nashville] Oil - Port Genset Component

Port Genset MOBIL 15W40 (35 GAL)

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Dparnell)

Wear

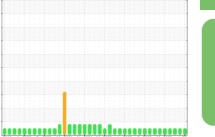
All component wear rates are normal.

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.

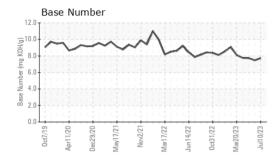


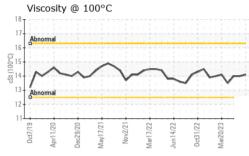


Sample NumberClient InfoWC0683335WC0683261WC0683259Sample DateClient Info10 Jul 202313 Jun 202316 May 2023Machine AgehrsClient Info825780187719Oil AgehrsClient Info14381200913Oil ChangedClient InfoFilteredN/AFilteredSample StatusImit/basecurrentNORMALNORMALCONTAMINATIONmethodimit/basecurrenthistory1history2FuelWC Method>4.0<1.0<1.0<1.0GlycolWC Method>4.0<1.0<1.0<1.0WEAR METALSmethodimit/basecurrenthistory1history2IronppmASTM D5185m>5<1<1<1NickelppmASTM D5185m>50<1<1SilverppmASTM D5185m>50<1<1SilverppmASTM D5185m>101<12LeadppmASTM D5185m>202<12CopperppmASTM D5185m>5<1<1<1YanadiumppmASTM D5185m>5<1<1<1ADDITVESmethodimit/basecurrenthistory1history2BoronppmASTM D5185m<1<1<1<1QuintinumppmASTM D5185m<1<1<1<1Quintinum
Sample Date Client Info 10 Jul 2023 13 Jun 2023 16 May 2023 Machine Age hrs Client Info 8257 8018 7719 Oil Age hrs Client Info 1438 1200 913 Oil Changed Client Info 1438 1200 913 Oil Changed Client Info Filtered N/A Filtered Sample Status Client Info Filtered N/A Filtered Sample Status method limit/base current history1 history2 Fuel WC Method >4.0 <1.0 <1.0 <1.0 Glycol WC Method >4.0 <1.0 <1.0 <1.0 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >5 <1 <1 <1 Nickel ppm ASTM D5185m >5 0 <1 <1 Silver ppm ASTM D5185m >10 </th
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FuelWC Method>4.0<1.0
GlycolWC MethodNEGNEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>25262220ChromiumppmASTM D5185m>5<1<1<1NickelppmASTM D5185m>50<1<1NickelppmASTM D5185m>50<1<1TitaniumppmASTM D5185m>500<1SilverppmASTM D5185m>500<1AluminumppmASTM D5185m>101<12LeadppmASTM D5185m>202<12CopperppmASTM D5185m>5<1<1<1VanadiumppmASTM D5185m>5<1<1<1CadmiumppmASTM D5185m>5<1<1<1PDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m90115116
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m<>25 26 22 20 Chromium ppm ASTM D5185m<>5 <1 <1 <1 Nickel ppm ASTM D5185m<>5 0 <1 <1 <1 Titanium ppm ASTM D5185m<>5 0 <1 <1 <1 Silver ppm ASTM D5185m<>5 0 0 <1 <1 Silver ppm ASTM D5185m<>5 0 0 <1 <1 Lead ppm ASTM D5185m<>10 1 <1 2 2 Copper ppm ASTM D5185m<>20 2 <1 2 2 Tin ppm ASTM D5185m<>5 <1 <1 <1 <1 Vanadium ppm ASTM D5185m<>5 <1 <1 <1 <1 Cadmium ppm ASTM D5185m <1 0 <1 <1
Iron ppm ASTM D5185m >25 26 22 20 Chromium ppm ASTM D5185m >5 <1
Chromium ppm ASTM D5185m >5 <1
Nickel ppm ASTM D5185m >5 0 <1
Titanium ppm ASTM D5185m <1
Silver ppm ASTM D5185m >5 0 0 <1
Aluminum ppm ASTM D5185m >10 1 <1
Lead ppm ASTM D5185m >10 2 2 2 Copper ppm ASTM D5185m >20 2 <1
Copper ppm ASTM D5185m >20 2 <1
Tin ppm ASTM D5185m >5 <1
VanadiumppmASTM D5185m<1
CadmiumppmASTM D5185m00<1
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m90115116
Boron ppm ASTM D5185m 90 115 116
Barium ppm ASTM D5185m 0 0 0
Molybdenum ppm ASTM D5185m 15 15
Manganese ppm ASTM D5185m <1
Magnesium ppm ASTM D5185m 147 137 137
Calcium ppm ASTM D5185m 2471 2363 2344
Phosphorus ppm ASTM D5185m 956 968 906
Zinc ppm ASTM D5185m 1305 1271 1170
Sulfur ppm ASTM D5185m 4081 4129 3505
CONTAMINANTS method limit/base current history1 history2
Silicon ppm ASTM D5185m >25 3 3 3
Sodium ppm ASTM D5185m >118 2 3 3
Potassium ppm ASTM D5185m >20 6 9 7
PotassiumppmASTM D5185m>20697INFRA-REDmethodlimit/basecurrenthistory1history2
Potassium ppm ASTM D5185m >20 6 9 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.5 0.4 0.4
Potassium ppm ASTM D5185m >20 6 9 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.5 0.4 0.4 Nitration Abs/cm *ASTM D7624 >20 13.5 11.7 11.9
Potassium ppm ASTM D5185m >20 6 9 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.5 0.4 0.4
Potassium ppm ASTM D5185m >20 6 9 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.5 0.4 0.4 Nitration Abs/cm *ASTM D7624 >20 13.5 11.7 11.9
Potassium ppm ASTM D5185m >20 6 9 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 0.5 0.4 0.4 Nitration Abs/cm *ASTM D7624 >20 13.5 11.7 11.9 Sulfation Abs/.1mm *ASTM D7415 >30 26.1 24.7 24.7



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	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445		14.1	14.0	14.0
GRAPHS						

Ferrous Alloys

